

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

## 1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

## b. TYPE OF WELL

OIL  
WELL ☒GAS  
WELL ☒OTHER ☐SINGLE  
ZONE ☒MULTIPLE  
ZONE ☐

## 2. NAME OF OPERATOR

John P. Lockridge Operator, Inc.

## 3. ADDRESS OF OPERATOR

1444 Wazee Street, Suite 218, Denver, Colorado 80202

## 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface SW NE (2268' FNL &amp; 1833' FEL) Section 3-T7S-R22E

At proposed prod. zone

## 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

18 miles southeast of Vernal, Utah

15. DISTANCE FROM PROPOSED\*  
LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

1833'

## 16. NO. OF ACRES IN LEASE

803.88

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

320

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

NA

## 19. PROPOSED DEPTH

3600'

## 20. ROTARY OR CABLE TOOLS

Rotary

## 21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5092' Gr. 5096' KB

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
12 1/4"	8 5/8"	24.0	200'
6 3/4"	4 1/2"	9.5	3600'

Circulate to surface sufficient  
to seal all productive zones

See attached:

- 1) Ten Point Drilling Program
- 2) Multipoint Surface Use and Operation Plan
- 3) Cultural Resource Survey Report

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING  
DATE: 8/27/84  
BY: John P. Lockridge

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

## 24.

SIGNED

John P. Lockridge

TITLE

President

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

## 5. LEASE DESIGNATION AND SERIAL NO.

U-47867

## 6. INDIAN, ALLOTTEE OR TRIBE NAME

## 7. UNIT AGREEMENT NAME

## 8. FARM OR LEASE NAME

## 9. WELL NO.

## 10. FIELD AND POOL, OR WILDCAT

## 11. SEC., T., R., M., OR BLK., AND SURVEY OR AREA

## 12. COUNTY OR PARISH

## 13. STATE

## 14. APPROX. DATE WORK WILL START\*

## 15. QUANTITY OF CEMENT

## 16. APPROVAL DATE

## 17. APPROVAL DATE

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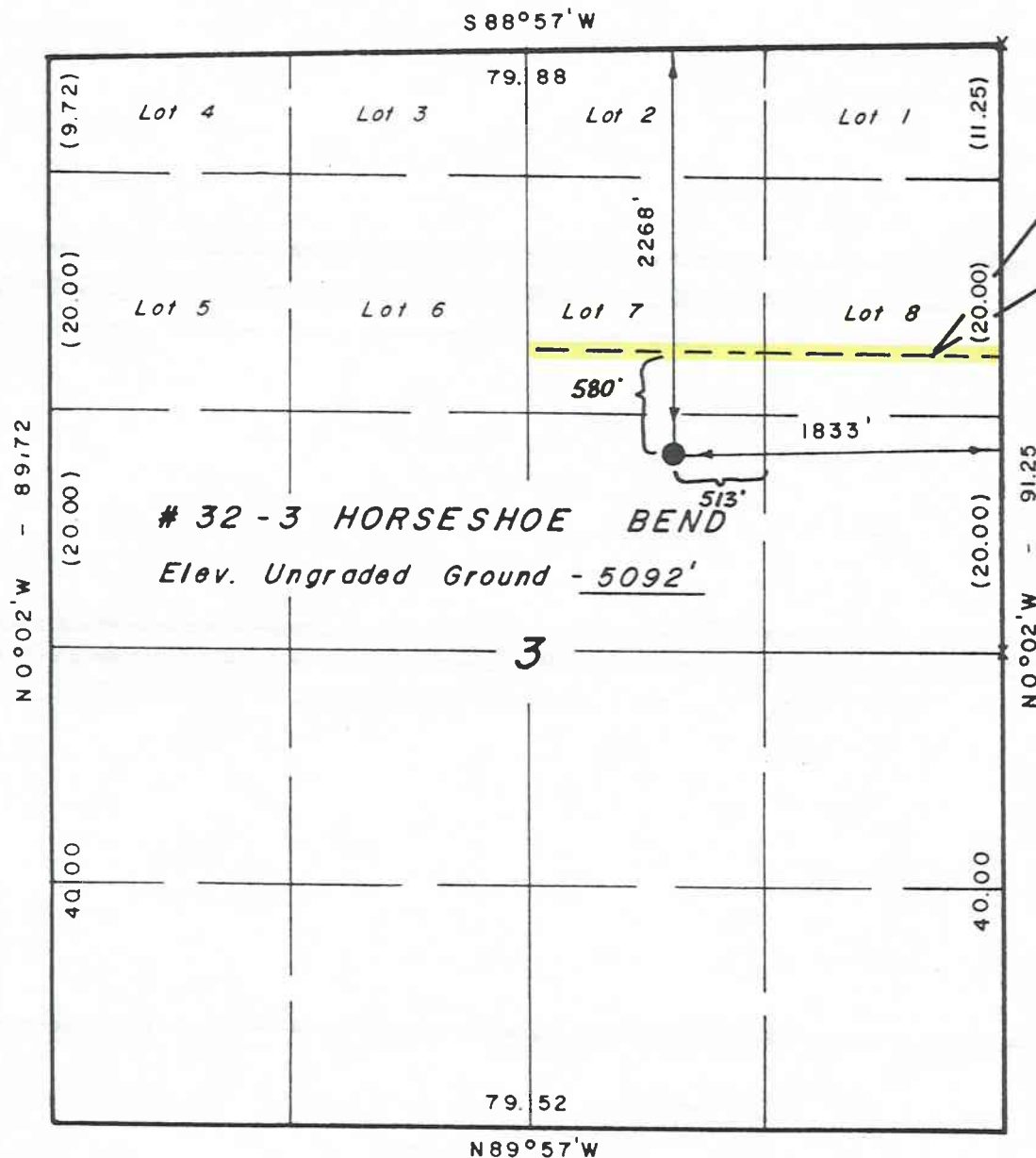
## 94. APPROVAL DATE

## 95. APPROVAL DATE

**T 7 S, R 22 E, S.L.B.&M.**

PROJECT  
**JOHN P. LOCKRIDGE**

Well location, # 32-3, HORSESHOE BEND, located as shown in the SW 1/4 NE 1/4 Section 3, T 7 S, R 22 E, S.L.B.& M. Uintah County, Utah.



SUPERIMPOSED LINE APPROX. MIDWAY BETWEEN NORTH LINE AND SOUTH LINE OF THE NE 1/4.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF A SURVEY MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

*Steve Stewart*

REGISTERED LAND SURVEYOR  
REGISTRATION NO 3154  
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING  
P.O. BOX Q - 85 SOUTH - 200 EAST  
VERNAL, UTAH - 84078

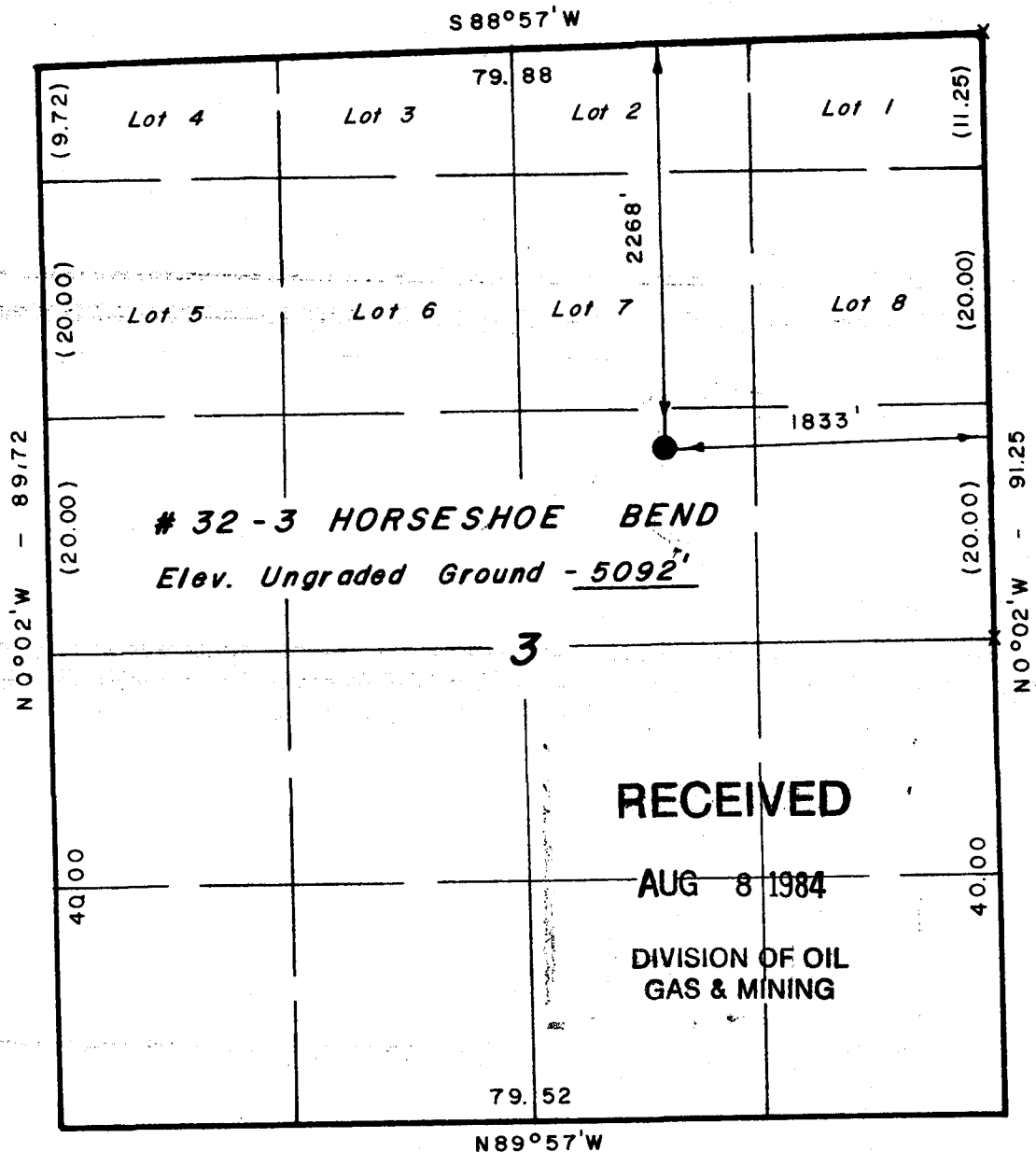
SCALE 1" = 1000'	DATE 7/17/84
PARTY GS GS JF KR SB	REFERENCES G LO Plat
WEATHER Warm.	FILE JOHN P. LOCKRIDGE

X = Section Corners Located

**T 7 S, R 22 E, S.L.B.&M.**

**PROJECT**  
**JOHN P. LOCKRIDGE**

Well location, # 32-3, HORSE-SHOE BEND, located as shown in the SW 1/4 NE 1/4 Section 3, T 7 S, R 22 E, S.L.B. & M. Uintah County, Utah.



X = Section Corners Located



**CERTIFICATE**

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

*Jane Stewart*  
REGISTERED LAND SURVEYOR  
REGISTRATION NO 3154  
STATE OF UTAH

**UINTAH ENGINEERING & LAND SURVEYING**  
P. O. BOX Q - 85 SOUTH - 200 EAST  
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 7/17/84
PARTY GS GS JF KR SB	REFERENCES G LO Plat
WEATHER Warm.	FILE JOHN P. LOCKRIDGE

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company John P. Lockridge, Inc. Well No. 32-3  
Location Sec. 3 T 7S R 22E Lease No. U-47867  
Onsite Inspection Date 07-24-84

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Order No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

A. DRILLING PROGRAM

1. All fresh water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

2. Pressure Control Equipment

Prior to drilling out the surface casing shoe, the ram-type preventers shall be tested to 2,000 psi, and the annular-type preventer shall be tested to 1,500 psi.

Upper kelly valve shall be utilized.

BOP systems will be consistent with API RP 53. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs.

The District Office should be notified, with sufficient lead time, in order to have a BLM representative on location during pressure testing.

3. Casing Program and Auxiliary Equipment

The District Office should be notified, with sufficient lead time, in order to have a BLM representative on location while running all casing strings and cementing.

4. Mud Program and Circulating Medium

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

5. Coring, Logging and Testing Program

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the authorized officer (AO).

6. No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

The spud date will be reported orally to the AO within 48 hours after spudding. If the spudding occurs on a weekend or holiday, the report will be submitted on the following regular work day. The oral report will be followed up with a Sundry Notice.

In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 3160-6 "Monthly Report of Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed, in duplicate, to the Vernal BLM District Office, 170 South 500 East, Vernal, Utah 84078.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status.

Such notification will be sent by telegram or other written communication, not later than 5 days following the date on which the well is placed on production.

Pursuant to NTL-2B, with the approval of a District Engineer, produced water may be temporarily disposed of into unlined pits for a period of up to 90 days. During the period so authorized, an application for approval of the permanent disposal method, along with the required water analysis and other information, must be submitted to the District Engineer.

Pursuant to NTL-4A, lessees or operators are authorized to vent/flare gas during initial well evaluation tests, not exceeding a period of 30 days or the production of 50 MMCF of gas, whichever occurs first. An application must be filed with the District Engineer and approval received, for any venting/flaring of gas beyond the initial 30 day or authorized test period.

A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in 43 CFR 3162.7 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

A first production conference will be scheduled within 15 days after receipt of the first production notice.

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within 30 days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

Pursuant to Onshore Oil and Gas Order No. 1, lessees and operators have the responsibility to see that their exploration, development, production, and construction operations are conducted in a manner which conforms with applicable Federal laws and regulations and with State and local laws and regulations to the extent that such State and local laws are applicable to operations on Federal or Indian lands.

B. THIRTEEN POINT SURFACE USE PLAN

7. Location of Tank Batteries and Production Facilities

All permanent (on site for six months or longer) structures constructed or installed (including oil well pumpjacks) will be painted a flat, non-reflective, earthtone color to match the standard environmental colors, as determined by the Rocky Mountain 5 State Interagency Committee. All facilities will be painted within 6 months of installation. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded.

If a tank battery is constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain  $1\frac{1}{2}$  times the storage capacity of the battery.

All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the AO.

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried from the wellhead to the meter and anchored securely downstream of the meter. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

8. Source of Construction Material

Road surfacing and pad construction material will be obtained from materials located on the lease.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

9. Methods of Handling Waste Disposal

The reserve pit will not be lined as a requirement of the BLM, but the operator indicates the mud pits will be lined with a jell.

Burning will not be allowed. All trash must be contained in an enclosed container or trash cage and then hauled off the location to an approved disposal site.

Produced waste water will be confined to an unlined pit for a period not to exceed 90 days after initial production. During the 90 day period, an application for approval of a permanent disposal method and location, along with required water analysis, will be submitted for the AO's approval. Failure to file an application within the time allowed will be considered an incident of noncompliance, and will be grounds for issuing a shut-in order.

10. Well Site Layout

The reserve pit will be located as indicated in the layout diagram.

The stockpiled topsoil will be stored as indicated in the layout diagram. The top six inches of topsoil would be stockpiled between stakes No. 1 and No. 8.

Access to the well pad will be as indicated in the APD.

Reserve pits will be fenced with a wire mesh fence and topped with at least one strand of barbed wire.

11. Plans for Restoration of Surface

Immediately upon completion of drilling, the location and surrounding area will be cleared of all debris, materials, trash and junk not required for production. The reserve pit and that portion of the location and access road not needed for production or production facilities will be reclaimed.

Before any dirt work to restore the location takes place, the reserve pit must be completely dry and all cans, barrels, pipe, etc. will be removed.

12. Other Information

There will be no deviation from the proposed drilling and/or work-over program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.2.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3164.

The dirt contractor will be provided with an approved copy of the surface use plan.

A cultural resource clearance will be required before any construction begins. If any cultural resources are found during construction, all work will stop and the AO will be notified.

This drilling permit will be valid for a period of one year from the date of approval. After permit termination, a new application will be filed for approval for any future drilling operations.

TEN POINT PROGRAM

RECEIVED

1) GEOLOGIC SURFACE FORMATION

The surface formation is Uinta.

AUG 8 1984

2 & 3) GEOLOGIC MARKERS AND PRODUCTIVE INTERVALS

DIVISION OF OIL  
GAS & MINING

<u>Formation</u>	<u>Estimated Top</u>	<u>Possible Production</u>
Uinta "B" Marker	2800	H
Uinta Green River Transition	3150	H
Green River	3300	H
T. D.	3600	

W = Water      H = Hydrocarbon (oil or gas)      C = Coal      S = Steam

4) CASING PROGRAM

<u>Hole Size</u>	<u>Casing Size</u>	<u>Grade</u>	<u>Weight</u>	<u>Thrd &amp; Cond</u>	<u>Depth</u>
12 1/4	8 5/8"	H-40	24.0	STC	200'
6 3/4	4 1/2"	J-55	9.5	STC	TD

5) CONTROL EQUIPMENT SPECIFICATIONS

The following equipment will be utilized for detection and control during the drilling operation.

BLOW OUT PREVENTORS

Size 7 1/16"      Pressure Rating 3000 psi

Pipe Rams yes      Blind Rams yes

Annular Preventor yes

Kill Line Size 2" x 3000 psi      Valves 2" x 3000 psi

Check Valve 2" x 3000 psi

Manifold

Size 3"      Valves 3" x 3000      Pressure 3000 psi

Positive choke yes      Adjustable Choke yes

See Exhibit I attached for additional detail. BOP Equipment will be installed prior to drilling below 8 5/8" casing and BOP will be tested to 1500 psi using rig pump. Surface casing will be tested to 70% of internal yield.

6) DRILLING FLUIDS

<u>Interval</u>	<u>Type Fluid</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u>	<u>Remarks</u>
0-200'	Polymer	8.6 - 8.7	45	10 cc	
200-TD	Polymer (Gendrill and Staflo)	8.6 - 8.7	45	10 cc	

Possible Sub Normal Pressured Zones Green River

Possible Abnormal Pressured Zones None

7) AUXILIARY EQUIPMENT

Upper Kelly Cock no

Lower Kelly Cock no

Floor Valve DP yes

Floor Valve DC yes

Float in DC yes

Inside BOP (Dart Valve) no

ADDITIONAL DETECTION EQUIPMENT & SERVICE

Mud Logging Unit yes

Pit Volume Totalizer no

Flow Line Sensor no

Flow Line Temperature no

Sour Gas Detector no

Pump Stroke Counter no

John P. Lockridge Operator, Inc.  
32-3 Horseshoe Bend Federal  
SW NE Section 3-T7S-R22E  
Uintah Co., Utah U-47867

Degasser no  
Mud Gas Separator no  
Drilling Data Unit no  
Other The mud system will be visually monitored

8) EVALUATION

A) Testing

All significant hydrocarbon shows will be drill stem tested. There will probably be 2 to 4 DST's.

B) Logging

<u>Depth</u>	<u>Electric Wireline Logs</u>	<u>Interval</u>
Total Depth	DIL/GR, FDC/CNL	200'-TD

C) Coring

<u>Formation</u>	<u>Type Core</u>	<u>Analysis</u>
none		

9) DRILLING HAZARDS

No extraordinary hazards are anticipated.

10) STARTING DATE 9/1/84 DURATION 8 DAYS.

DRILLING PROGRAM PREPARED BY: JOHN P. LOCKRIDGE

John P. Lockridge  
John P. Lockridge

John P. Lockridge Operator, Inc  
32-3 Horseshoe Bend Federal  
SW NE Section 3-T7S-R22E  
Uintah Co., Utah

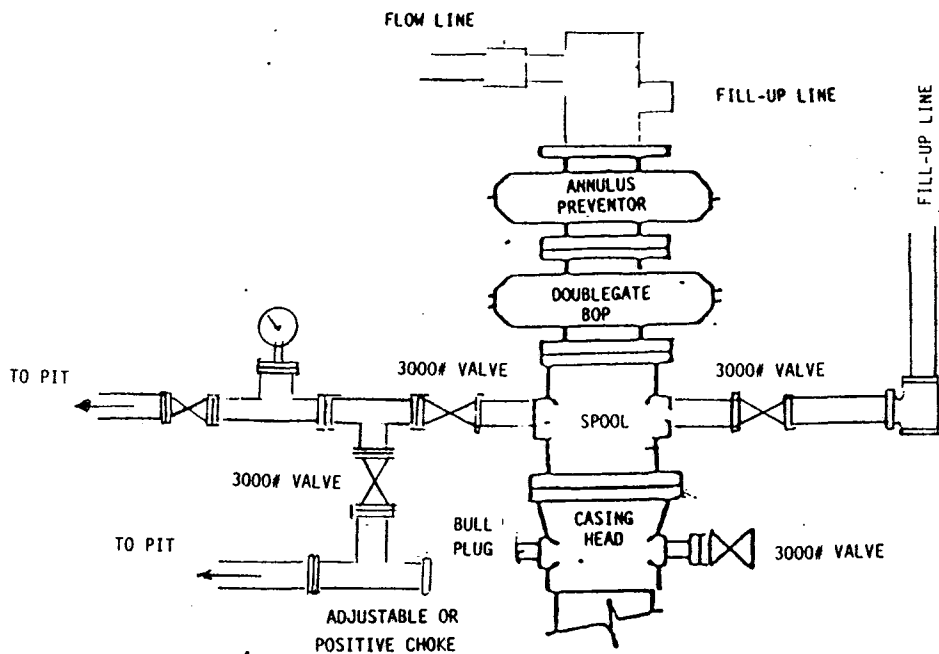
EXHIBIT 1

Sketch of Blowout Preventor  
3000 psi System

**RECEIVED**

**AUG 8 1984**

**DIVISION OF OIL  
GAS & MINING**



Note: Pipe rams to be operated daily. Blind rams to be operated each trip.

Test Procedure

- 1) Flush BOP's and all lines to be tested with water.
- 2) Run test plug on test joint and seat in casing head (leave valve below test plug open to check for leak).
- 3) Test the following to rated pressure:
  - a) inside blowout preventer
  - d) stand pipe valve
  - e) lines to mud pump
  - f) kill line to BOP's
- 4) Close and test pipe rams to rated pressure.
- 5) Close and test Hydril to rated pressure.
- 6) Back off and leave test plug in place. Close and test blind rams to rated pressure.
- 7) Test all choke manifold valves to rated pressure.
- 8) Test kill line valves to rated pressure.

**JOHN P. LOCKRIDGE OPERATOR, INC.**

**RECEIVED**

**JUL 30 1984**

**DIVISION OF OIL  
GAS & MINING**

July 26, 1984

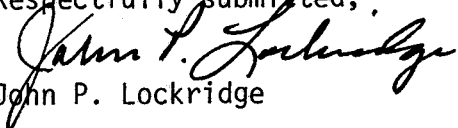
Bureau of Land Management  
170 S. 500 E.  
Vernal, Utah 84078

Re: Designation of Operator  
Federal Lease No. U-47867  
Section 3-T7s-R22E  
Uintah County, Utah

Gentlemen:

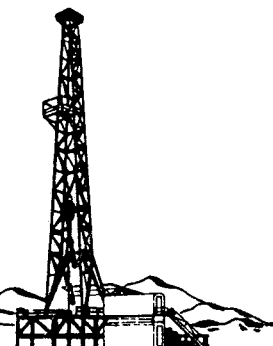
A Designation of Operator, Form 9-1123, is submitted herewith in triplicate for Lease No. U-47867. The lessee, FUEL EXPLORATION, INC., has designated John P. Lockridge Operator, Inc. as its operator and local agent for said lease.

Respectfully submitted,

  
John P. Lockridge

JPL/sl

CC: William M. Berryman  
Calais Resources, Inc.  
Prima Energy Corporation



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of lease

STATE OFFICE: Salt Lake City, Utah  
SERIAL NO.: U-47867

and hereby designates

NAME: John P. Lockridge Operator, Inc.  
ADDRESS: 1444 Wazee Street, Suite 218  
Denver, Colorado 80202

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the authorized officer may serve written or oral instructions in securing compliance with the Operating Regulations (43 CFR 3160) with respect to (describe acreage to which this designation is applicable):

Township 7 South, Range 22 East, S.L.M.  
Section 1: W $\frac{1}{2}$ SW $\frac{1}{4}$   
Section 3: All  
Uintah County, Utah

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the authorized officer of any change in the designated operator.

ATTEST:

FUEL EXPLORATION, INC.

By: Sue Parks

Sue Parks, Secretary

7/26/84

(Date)

By: Raymond D. Danton

(Signature of lessee)

Raymond D. Danton, President  
1860 Lincoln Street, Suite 1200  
Denver, Colorado 80295

(Address)

This form does not constitute an information collection as defined by 44 U.S.C. 3502 and thereto does not require OMB approval.

### THIRTEEN POINT SURFACE USE PLAN

#### 1) EXISTING ROADS

See attached topographic maps A & B. Directions: take Highway 40 south from Vernal, approximately one mile to point where Highway 40 veers east. Take "New Bonanza" highway south approximately 17.8 miles to access road on west, or rightside of highway. The location is approximately 0.3 miles west of the highway and a new access road will be constructed for this distance.

#### 2) PLANNED ACCESS ROAD

See attached topographic map A. It will be necessary to construct approximately 0.3 miles of new road to connect the existing road with the proposed location. Construction of the new road will meet the following standards.

Maximum grade should not exceed 7% (7' per 100). The trail will be a maximum of an 18" crown road (9' on either side of the centerline) with drain ditches along either side of the proposed road where it is determined necessary in order to handle any run off from any normal meteorological conditions that are prevalent to this area.

Back slopes along the cut areas of the road will be 1 1/2 to 1 slopes and terraced.

The road will be centerline flagged prior to the commencement of construction.

No major cuts or fills appear necessary. No culverts will be needed. See Topo Map B.

The grade of this road will be constructed from native borrow accumulated during construction.

Any fences that are encountered along this access road will be cut and replaced with a cattleguard with a minimum width of 18' and a loading factor large enough to facilitate the heavy trucks required in the drilling production of this well.

If cattleguards are to be located at existing gates, they will be installed with the above requirements with a new gate installed at one end of the cattleguard.

Onsite inspection field comments:

3) LOCATION OF EXISTING WELLS

Within a one mile radius the following wells are identified by category and listed below.

1. Water wells - none
2. Abandoned wells - producing - none  
Dry holes - none
3. Temporarily abandoned wells - none
4. Disposal wells - none
5. Drilling wells - none  
Locations: SW SW Section 35-T6S-R22E (pending)  
SW NW Section 2-T7S-R22E (pending)
6. Producing wells - none
7. Shut-in wells - none
8. Injection wells - none
9. Monitoring or observation wells - none

4) LOCATION OF TANK BATTERIES, PRODUCTION FACILITIES AND PRODUCTION GATHERING AND SERVICE LINES

At the present time there are no John P. Lockridge Operator, Inc. batteries, production facilities, oil gathering lines, gas gathering lines, injection or disposal lines within a two mile radius.

In the event that production of this well is established, then the existing area of the location will be utilized for the establishment of the necessary production facilities.

This area will be built, if possible, with the native materials and if these materials are not available, then the necessary arrangements will be made to get them from private sources.

The total area that is needed for the production of this well will be fenced and cattleguards will be utilized for access to these facilities.

The rehabilitation of the disturbed area that is not required for the production of this well will meet the requirements of Items #7 and #10 and these requirements and standards will be adhered to.

If production facilities are necessary, these facilities will be constructed as shown in Figure 1.

4) Onsite inspection field comments:

5) LOCATION AND TYPE OF WATER SUPPLY

Water will be hauled from the Green River by truck. Application has been made for a state water permit.

The existing roads and proposed roads previously noted will be all that are needed. No water well will be drilled for this operation.

Onsite inspection field comments:

6) SOURCE OF CONSTRUCTION MATERIALS

All construction materials for this location site and access road shall be borrow materials accumulated during construction of the location site and access road. No additional road gravels or pit lining material from other sources are anticipated at this time, but if they are required the appropriate actions will be taken to acquire them from private sources.

7) METHODS FOR HANDLING WASTE DISPOSAL

See Location Layout Sheet.

The mud pit will be approximately 12' deep and at least one half of this depth shall be below the surface of the existing ground.

A test tank will be used to contain produced fluids.

If deemed necessary by the agencies concerned, to prevent contamination to surrounding areas, the mud pits will be lined with a gel.

The pits will have wire and overhead flagging installed at such time as deemed necessary to protect the water fowl, wildlife, domestic animals.

On the onset of drilling, the mud pit will be fenced on three sides and at the time the drilling activities are completed, it will be fenced on the fourth side and allowed to dry completely prior to the time that backfilling and reclamation activities are attempted.

When the mud pit dries and the reclamation activities commence, the pit will be covered with a minimum of four feet of soil and all requirements in Item #10 will be followed.

Trash will be placed in a completely enclosed container and hauled off the location.

All flammable materials will be burned and then buried upon completion of this well.

A portable chemical toilet will be supplied for human waste.

8) ANCILLARY FACILITIES

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9) WELL SITE LAYOUT

See attached Location Layout Sheet. The B.L.M. District Manager shall be notified before any construction begins on the proposed location site.

As mentioned in Item #7, the pits will be unlined unless it is determined by the representatives of the agencies involved that the materials are too porous and would cause contamination to the surrounding area. Then the pits will be lined with a gel and any other type material necessary to make it safe and tight.

When drilling activities commence, all work shall proceed in a neat and orderly sequence.

10) PLANS FOR RESTORATION OF SURFACE

As there is some topsoil on the location site, all topsoil shall be stripped and stockpiled. (See location layout sheet and Item #9.) When all drilling and production activities have been completed, the location site and access road will be reshaped to the original contour and stockpiled topsoil spread over the disturbed area.

As mentioned in Item #7, the mud pit will be completely fenced and wired and overhead wire and flagging installed, if there is oil in the pits, and then allowed to completely dry before covering.

Restoration activities shall begin as soon as possible after the mud pit has dried up, and will be completed without undue delay.

When restoration activities have been completed, the location site and access ramp shall be reseeded with a seed mixture recommended by the B.L.M. District Manager when the moisture content of the soil is adequate for germination. The Lessee further covenants and agrees that all of said cleanup and restoration activities shall be done and performed in a diligent and most workmanlike manner and in strict conformity with the above mentioned Items #7 and #10.

11) OTHER INFORMATION

The drillsite is located in an area of moderate slope (see cross section). The Surface is the Uinta formation, light brown sandy clay with sparse sagebrush cover. There are no trees on the proposed location.

General use of the surface is grazing. The new road and location are federally owned.

An archeological report will be filed on this prospect under separate cover.

The closest water is located in the Green River.

John P. Lockridge Operator, Inc.  
32-3 Horseshoe Bend Federal

SW NE Section 3-T7S-R22E

Uintah Co., Utah U-47867

11) Onsite inspection field comments:

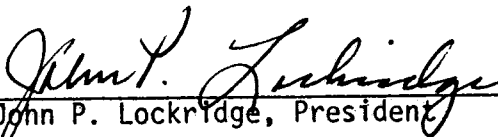
12) LESSEE'S OR OPERATOR'S REPRESENTATIVE

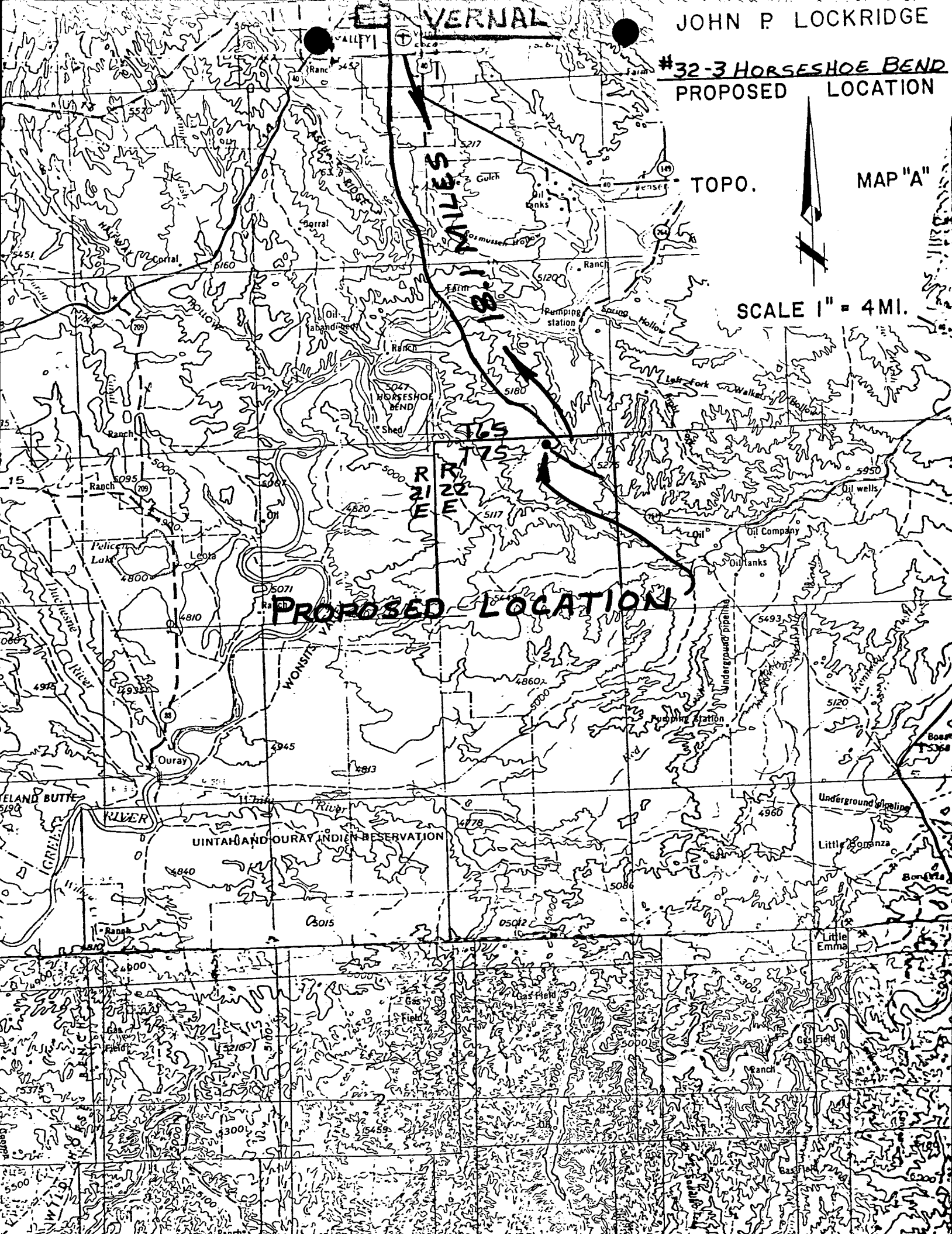
John P. Lockridge  
1444 Wazee, Suite 218  
Denver, Co 80204

Telephone - 303-628-9371

13) CERTIFICATION

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route. That I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by John P. Lockridge Operator, Inc., and its contractors and subcontractors in conformity with this plan and terms and conditions with this plan and the terms and conditions under which it is approved.

  
\_\_\_\_\_  
John P. Lockridge, President



#32-3 HORSESHOE BEND  
PROPOSED LOCATION

MAP "B"

SCALE 1" = 2000'

### ROAD CLASSIFICATION

Light duty road, all weather, Improved surface \_\_\_\_\_ Unimproved road fair or dry weather \_\_\_\_\_

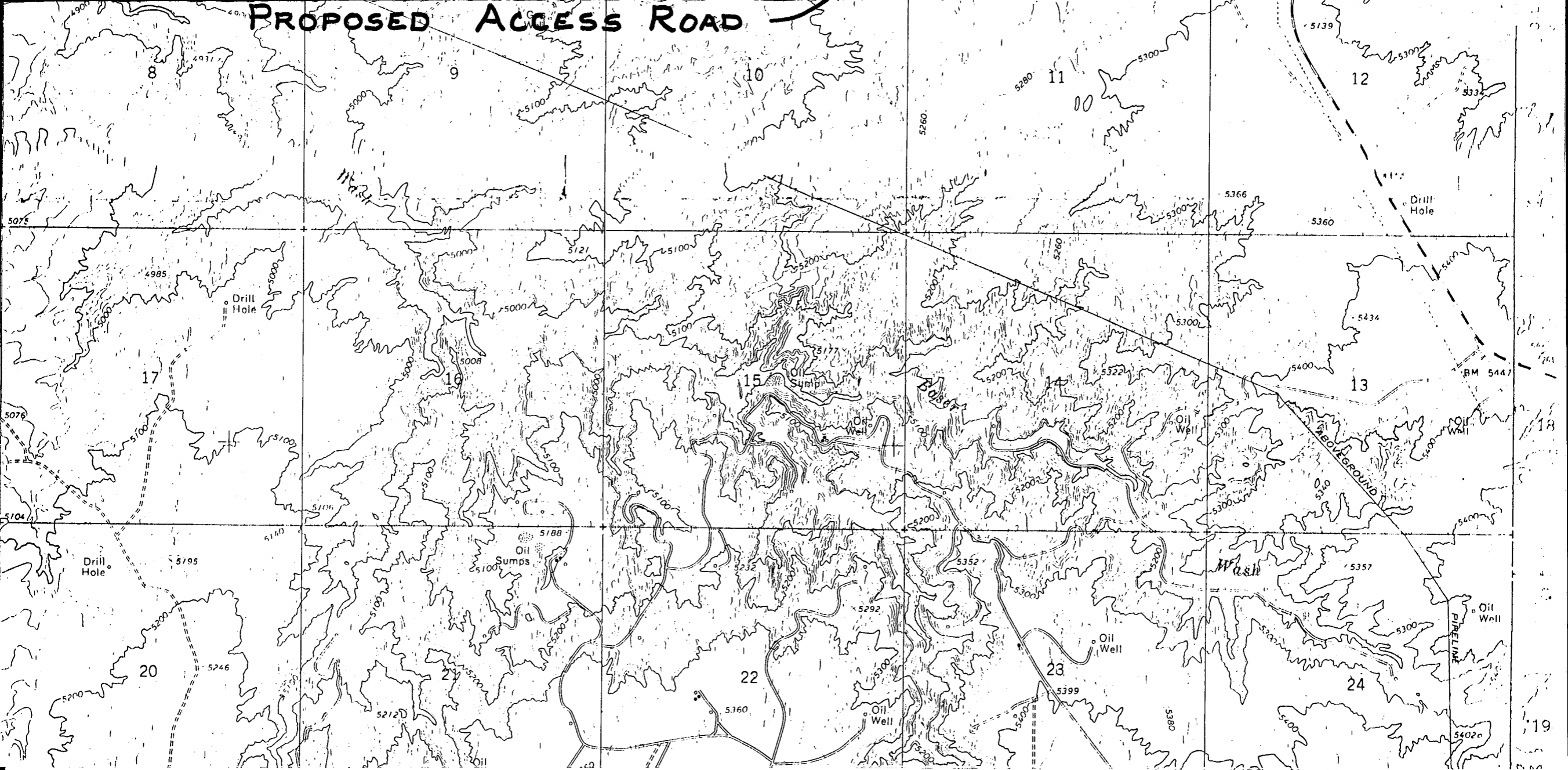
UTAH

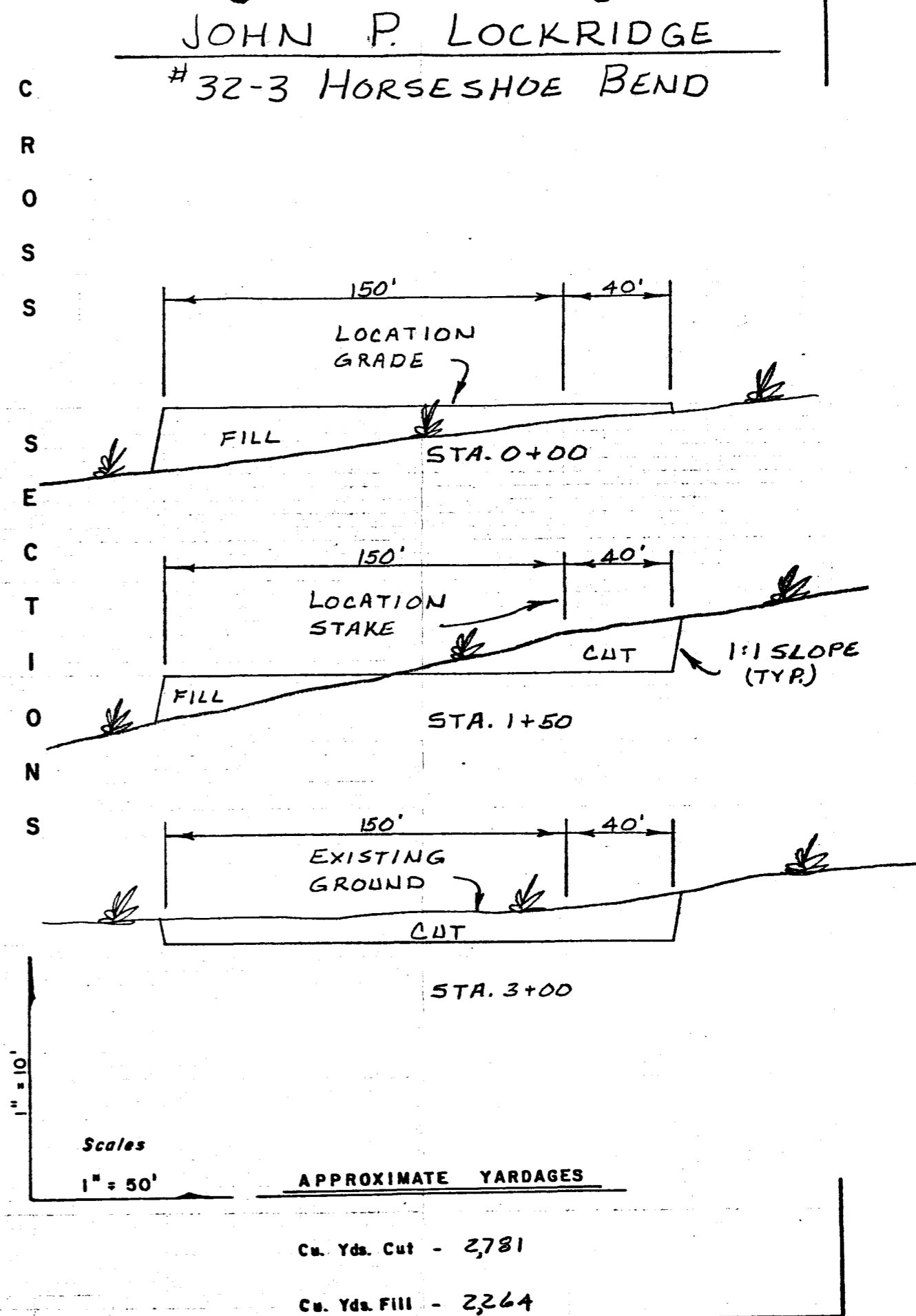
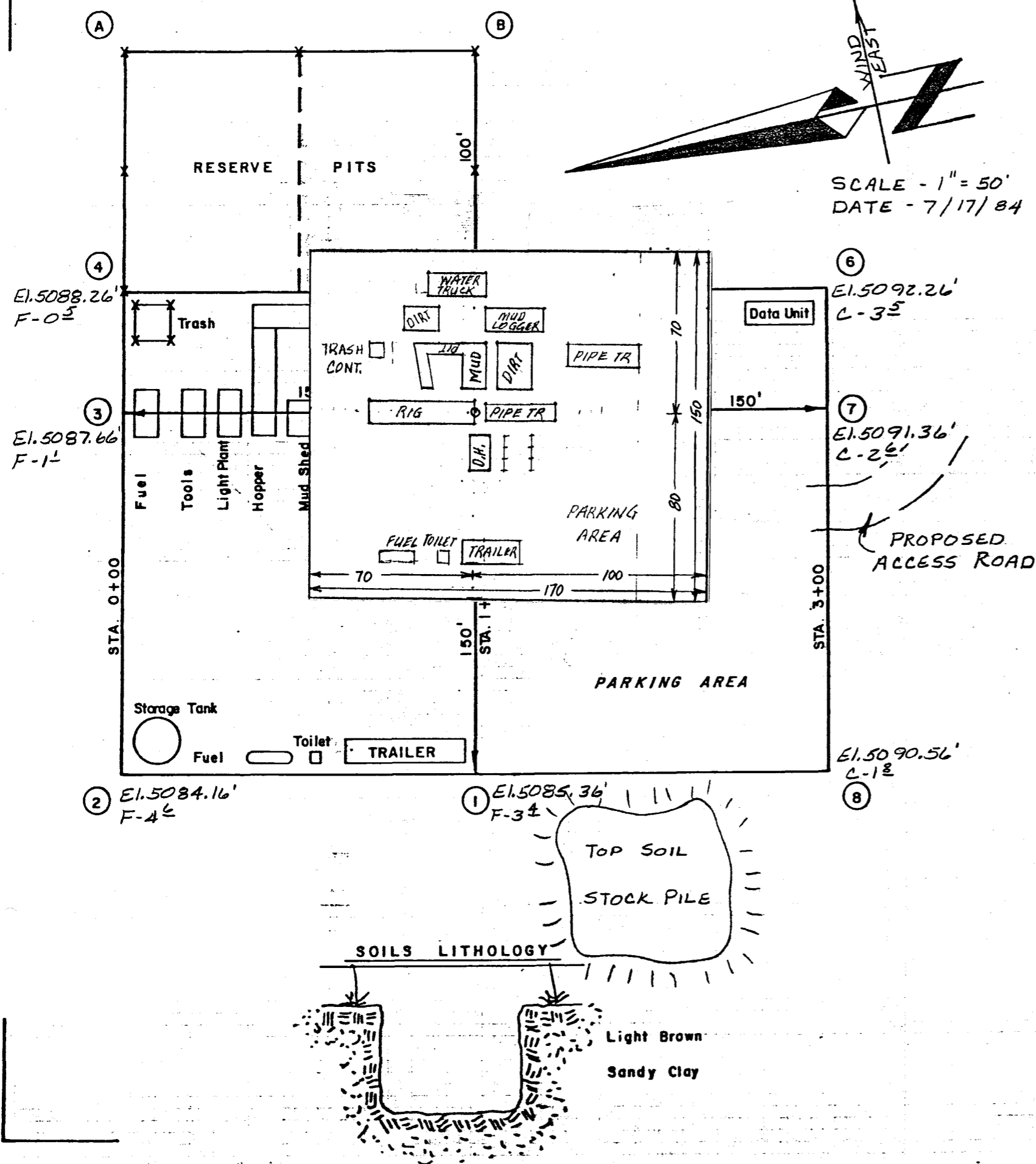
QUADRANGLE LOCATION

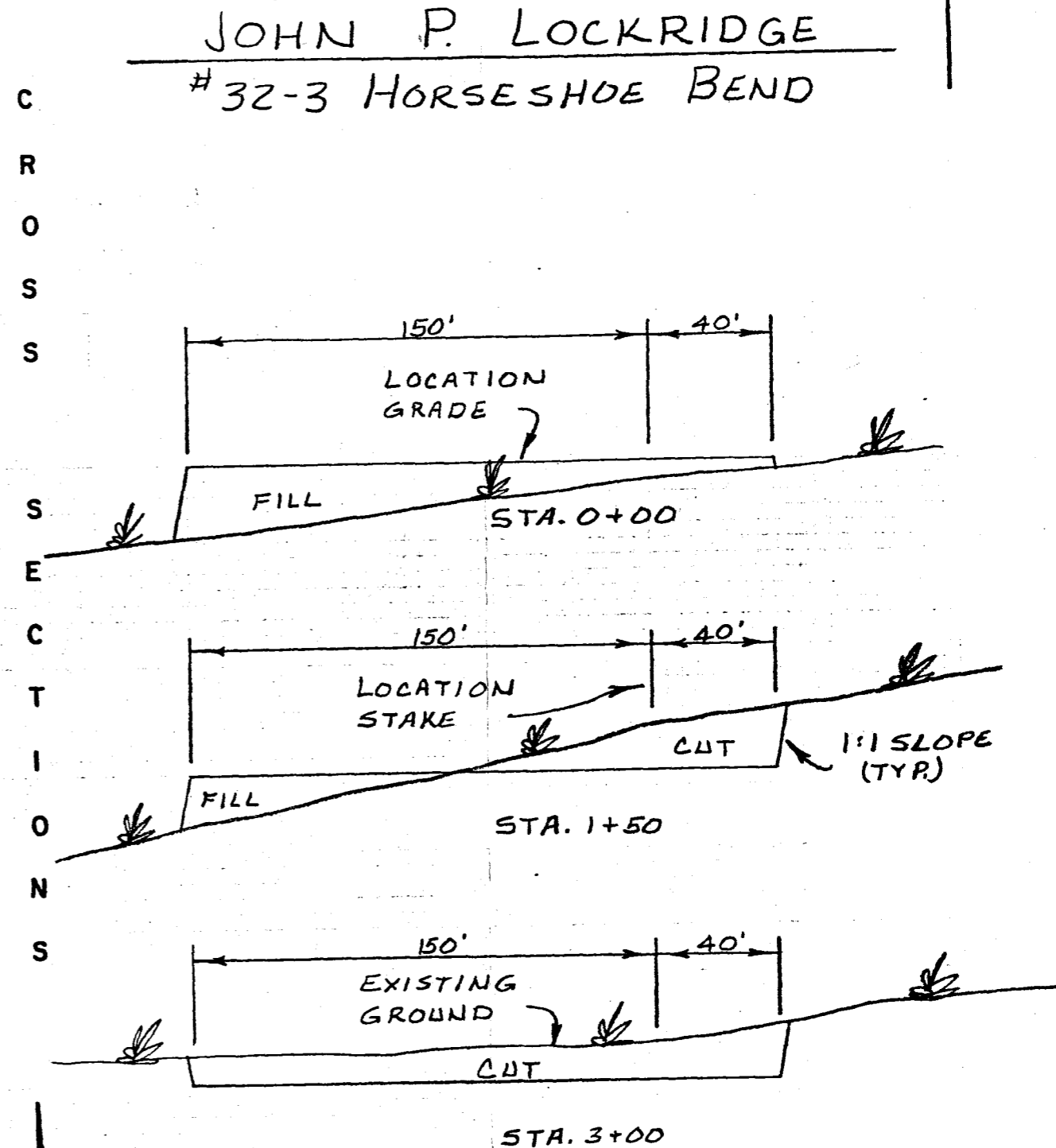
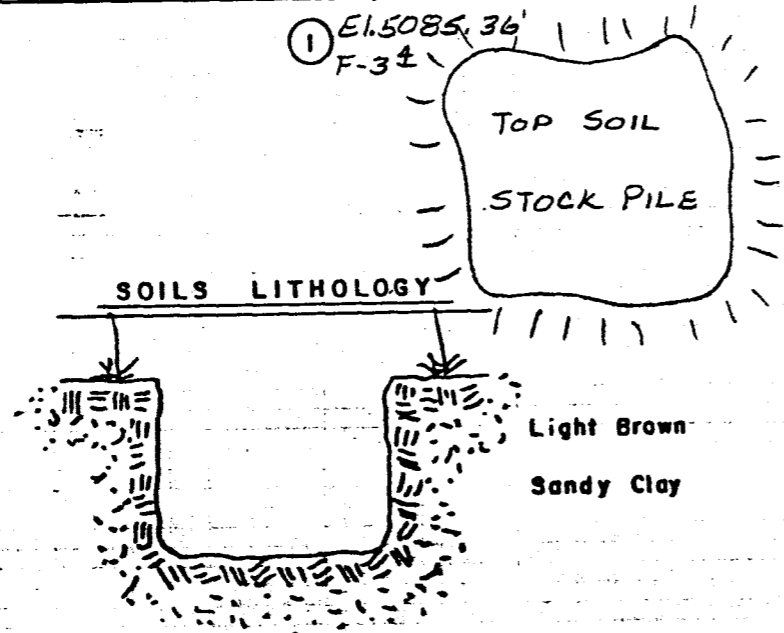
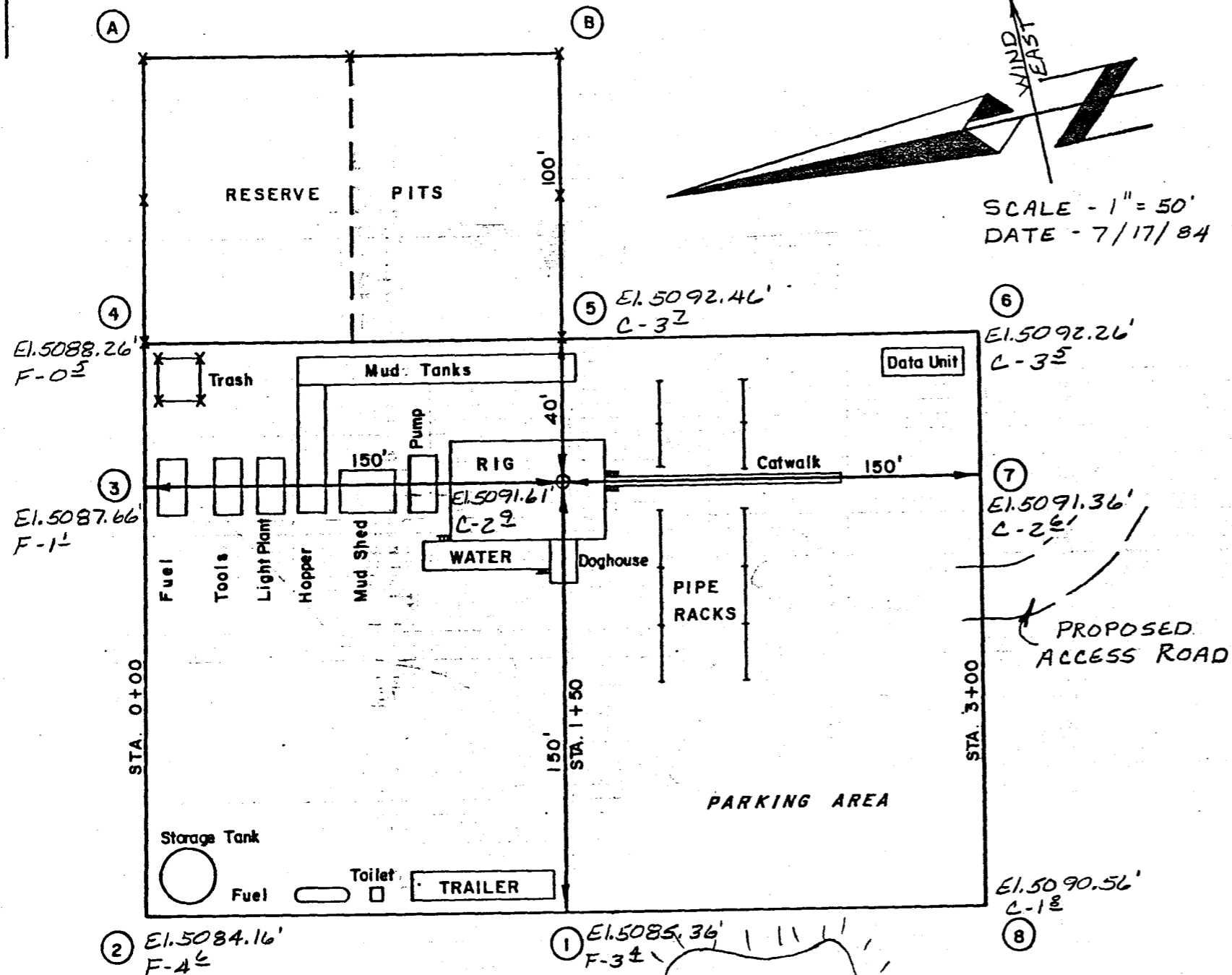
R	R
22	23
F	F

ALGER HOLLOW

# PROPOSED ACCESS ROAD







Scales

1" = 50'

APPROXIMATE YARDAGES

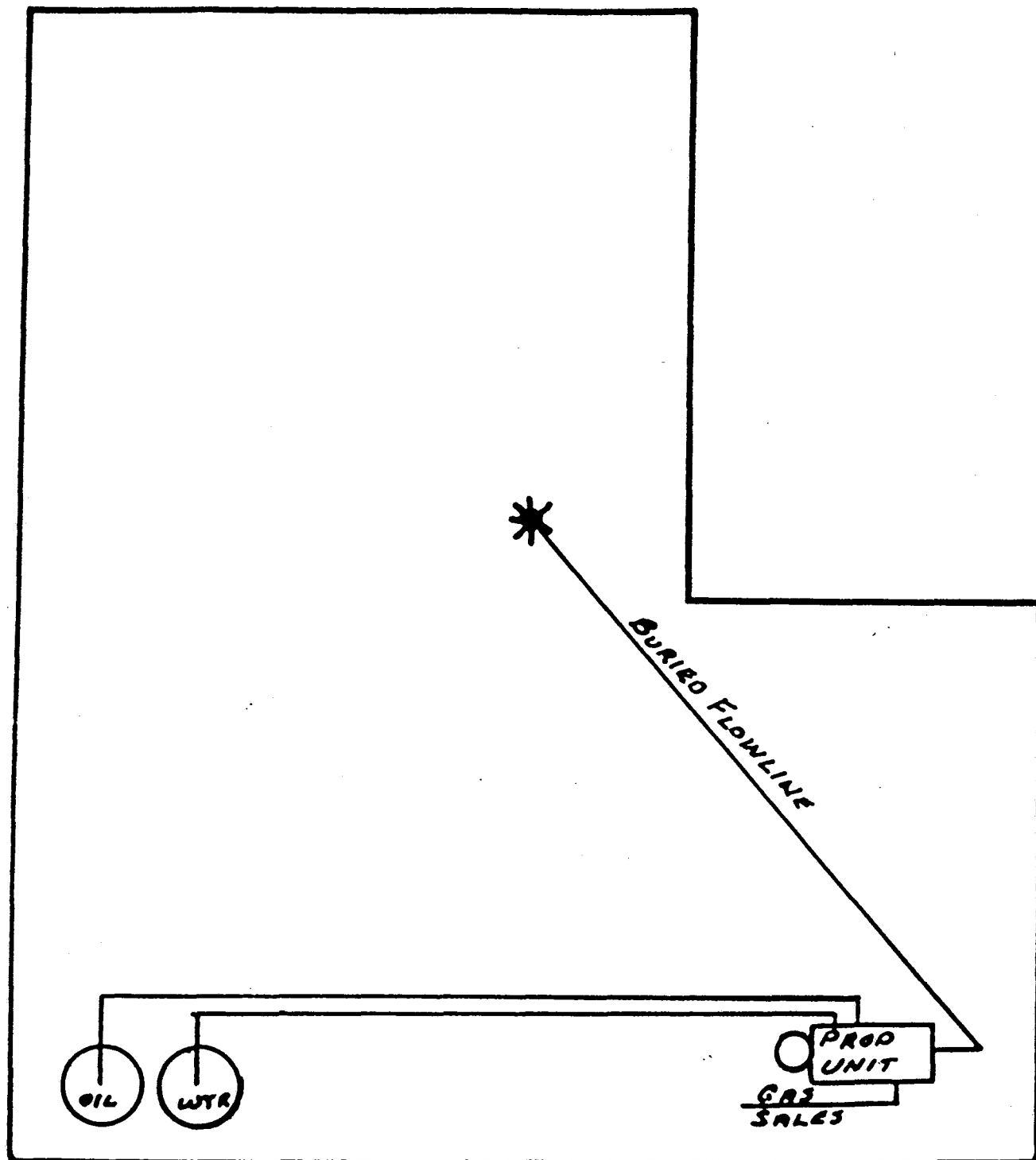
Cu. Yds. Cut - 2,781

Cu. Yds. Fill - 2,264

JOHN P. LOCKRIDGE OPERATOR, INC.  
HORSESHOE BEND FEDERAL 32-3  
UINTAH CO. UTAH



FIGURE 1



Department of the Interior  
Bureau of Land Management  
Utah State Office

Summary Report of  
Section for Cultural Resources

BLM Report No. 100

1 2 3 4 5 6 7 8 9 10

Report Acceptable Yes ☐ No ☐

Mitigation Acceptable Yes ☐ No ☐

Comments: \_\_\_\_\_

Report Title W|E|I|L| U|N|I|T|S|-H|O|R|S|E|S|H|O|E| B|E|N|D| A|R|E|A|

Development Company John P. Lockridge, Units No. 32-3 and 32-33

Report Date 0|7| 30 1|9|8|4|

4. Antiquities Permit No. 81-Ut-179

Responsible Institution A|E|R|C| J|P|L|-8|4|-1| County Uintah

Fieldwork Location: TWN 0|6|S| Range 2|2|E| Section(s) 3|3| 70 71 72 73 74 75 76 77

TWN 78 81 Range 82 85 Section(s) 86 87 88 89 90 91 92 93

Source Area B|C| TWN 94 97 Range 98 101 Section(s) 102 103 104 105 106 107 108 109

PO= PONY EXPRESS, BR= BEAR RIVER, PR= PRICE RIVER, WS= WARM SPRINGS  
BC= BOOK CLIFFS, HR= HOUSE RANGE, SE= SEVIER RIVER  
HM= HENRY MOUNTAINS, BE= BEAVER RIVER, DX= DIXIE  
KA= KANAB, ES= ESCALANTE, SJ= SAN JUAN, GR= GRAND  
SR= SAN RAFAEL, DM= DIAMOND MOUNTAIN,

Fill in spaces 65, 69, 81, 85, 97, 101 Only if:  
V= Vernal Meridian  
H= Half Township

Description of Examination Procedures:

The archeologist, F.R. Hauck, walked a series of 15 meter wide transects covering 10 acres on each well location and double transects along the flagged access routes.

Linear Miles Surveyed and/or 0|6| 112 117

Definable Acres Surveyed and/or 118 123

Legally Undefinable Acres Surveyed 2,0 124

(\* A parcel hard to cadastrally locate i.e., center of section)

10. Inventory Type I 130

R= Reconnaissance  
I= Intensive  
S= Statistical Sample

Description of Findings (attach appendices, if appropriate) 12. Number Sites Found: 0 131 135  
No sites = 0

No cultural sites or materials were observed or recorded during the survey.

13. Collection: N Y=Yes, N=No  
136

Actual/Potential National Register Properties Affected:

The National Register has been consulted and no registered properties will be affected by the proposed developments.

Literature Search, Location/Date:

Vernal District Office, 7-19-84

Conclusion/Recommendations:

AERC recommends that a cultural resource clearance be granted to

Horseshoe Bend Units No. 32-3 and 32-33 / John P. Lockridge based upon adherence to the stipulations noted on the reverse:

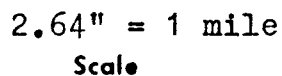
Signature

*F.R. Hauck*

8100-  
18/82

16. CONTINUED:

1. All vehicular traffic, personnel movement, and construction be confined to the locations examined and to the evaluated access roads.
2. All personnel refrain from collecting artifacts or from disturbing any cultural resources in the area.
3. A qualified archeologist be consulted should cultural remains from subsurface deposits be exposed during construction work or if the need arises to relocate or otherwise alter the construction area.





# ARCHEOLOGICAL - ENVIRONMENTAL RESEARCH CORPORATION

P.O. Box 853 - Bountiful, Utah 84010

Tel.: 801 292-7061

July 30, 1984

**RECEIVED**

**AUG 8 1984**

**DIVISION OF OIL  
GAS & MINING**

**Subject:** Cultural Resource Evaluations of Proposed Well  
Locations Horseshoe Bend No. 32-33 and 32-3  
in the Horseshoe Bend Locality of Uintah  
County, Utah

**Project:** John P. Lockridge 1984 Drilling Program

**Project No.:** JPL-84-1

**Permit:** Dept. of Interior 81-Ut-179

**To:** ✓ Mr. John P. Lockridge, 1444 Wazee Street, Suite  
218, Denver, Colorado 80202

Mr. Lloyd Ferguson, District Manager, Bureau of  
Land Management, 170 South 500 East, Vernal,  
Utah 84078

**Info:** Mr. Rich Fike, BLM State Archeologist, Bureau  
of Land Management, University Club Building,  
136 East South Temple, Salt Lake City,  
Utah 84111

**RECEIVED AUG 02 1984**

**JOHN P. LOCKRIDGE OPERATOR, INC.**

**RECEIVED**

**AUG 8 1984**

**DIVISION OF OIL  
GAS & MINING**

August 6, 1984

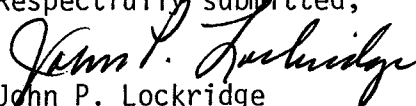
State of Utah  
Department of Natural Resources  
4241 State Office Building  
Salt Lake City, Utah 84114

Re: Approval for Use of Water  
John P. Lockridge Operator, Inc.  
32-3 Horseshoe Bend  
SW NE 3-T7S-R22E  
Uintah County, Utah

Dear Sir:

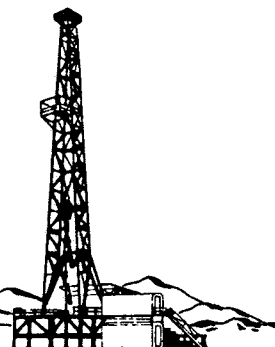
Enclosed please find an approved application for temporary use of water out of the Green River for drilling gas wells in the Horseshoe Bend area. The Temporary Application No. is 49-1326(T60065)

Respectfully submitted,

  
John P. Lockridge

JPL/s1

enclosure



JUN 20 1984

TEMPORARY

Application No.

T60063  
49-1326

TEMPORARY

APPLICATION TO APPROPRIATE WATER  
WATER RIGHTS STATE OF UTAH

NOTE:—The information given in the following blanks should be free from explanatory matter, but when necessary, a complete supplementary statement should be made on the following page under the heading "Explanatory."

For the purpose of acquiring the right to use a portion of the unappropriated water of the State of Utah, for uses indicated by (X) in the proper box or boxes, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of the Laws of Utah.

1. Irrigation ☐ Domestic ☐ Stockwatering ☐ Municipal ☐ Power ☐ Mining ☐ Other Uses ☒

2. The name of the applicant is John P. Lockridge AC 303+628-9371

3. The Post Office address of the applicant is 1444 Wazee, Suite 218, Denver CO 80202

4. The quantity of water to be appropriated \_\_\_\_\_ second-feet and/or 3 acre-feet

5. The water is to be used for gas well drilling from 7/1/84 to 6/30/85  
(Major Purpose) (Month) (Day) (Month) (Day)

other use period \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_  
(Minor Purpose) (Month) (Day) (Month) (Day)

and stored each year (if stored) from \_\_\_\_\_ to \_\_\_\_\_  
(Month) (Day) (Month) (Day)

6. The drainage area to which the direct source of supply belongs is \_\_\_\_\_

7. The direct source of supply is\* Green River AUG 8 1984  
(Name of stream or other source) (Leave Blank)

which is tributary to \_\_\_\_\_, tributary to \_\_\_\_\_

DIVISION OF OIL  
GAS & MINING

\*Note.—Where water is to be diverted from a well, a tunnel, or drain, the source should be designated as "Underground Water" in the first space and the remaining spaces should be left blank. If the source is a stream, a spring, a spring area, or a drain, so indicate in the first space, giving its name, if named, and in the remaining spaces, designate the stream channels to which it is tributary, even though the water may sink, evaporate, or be diverted before reaching said channels. If water from a spring flows in a natural surface channel before being diverted, the direct source should be designated as a stream and not a spring.

8. The point of diversion from the source is in Uintah County, situated at a point\*

2400' FWL & 1700' FNL Section 7-T65-R22E,  
or 2400' South and 1700' East from the NW corner of said  
section.

\*Note.—The point of diversion must be located definitely by course and distance or by giving the distances north or south, and east or west with reference to a United States land survey corner or United States mineral monument, if within a distance of six miles of either, or if at a greater distance, to some prominent and permanent natural object. No application will be received for filing in which the point of diversion is not defined definitely.

9. The diverting and carrying works will consist of pumping the water from the Green River into water truck and hauling to drill rig location

10. If water is to be stored, give capacity of reservoir in acre-feet \_\_\_\_\_ height of dam \_\_\_\_\_  
area inundated in acres \_\_\_\_\_ legal subdivision of area inundated \_\_\_\_\_

11. If application is for irrigation purposes, the legal subdivisions of the area irrigated are as follows:  
Not applicable

\_\_\_\_\_ Total \_\_\_\_\_ Acres

12. Is the land owned by the applicant? Yes \_\_\_\_\_ No X If "No," explain on page 2.

13. Is this water to be used supplementally with other water rights? Yes \_\_\_\_\_ No X  
If "yes," identify other water rights on page 2.

14. If application is for power purposes, describe type of plant, size and rated capacity. \_\_\_\_\_

15. If application is for mining, the water will be used in \_\_\_\_\_ Mining District at the \_\_\_\_\_ mine, where the following ores are mined \_\_\_\_\_

16. If application is for stockwatering purposes, number and kind of stock watered \_\_\_\_\_

17. If application is for domestic purposes, number of persons \_\_\_\_\_, or families \_\_\_\_\_

18. If application is for municipal purposes, name of municipality \_\_\_\_\_

19. If application is for other uses, include general description of proposed uses The drilling of oil and gas test wells in the Horseshoe Bend - Walker Hollow area

20. Give place of use by legal subdivision of the United States Land Survey for all uses described in paragraphs 14 to 19, incl. Please see listing on reverse side

21. The use of water as set forth in this application will consume 3 second-feet and/or acre-feet of water and 0 second feet and/or acre feet will be returned to the natural stream or source at a point described as follows: \_\_\_\_\_

## EXPLANATORY

The following additional facts are set forth in order to define more clearly the full purpose of the proposed application:

Drill site locations at which water is to be used:		SURFACE
SW SW 25-T65-R22E	#14-25 Horseshoe Bend	BLM
SW SW 27-T65-R22E	#14-27 Horseshoe Bend	BLM
SW NE 32-T65-R22E	#32-33 Horseshoe Bend	BLM
SW SW 35-T65-R22E	#14-35 Horseshoe Bend	BLM
SW NW 2-T75-R22E	#12X-2 Horseshoe Bend	Utah State
SW NE 3-T75-R22E	#32-3 Horseshoe Bend	BLM

Item 12: Answer "No". Explanation: We do not own the land but have the right to explore for and develop oil and gas.

~~The drilling contractor will be~~

(Use page 4 if additional explanatory is needed.)

The quantity of water sought to be appropriated is limited to that which can be beneficially used for the purpose herein described

*John P. Lechidge*  
Signature of Applicant

\*If applicant is a corporation or other organization, signature must be the name of such corporation or organization by its proper officer, or in the name of the partnership by one of the partners, and the names of the other partners shall be listed. If a corporation or partnership, the affidavit below need not be filled in. If there is more than one applicant, a power of attorney, authorizing one to act for all, should accompany the Application.

## DECLARATION OF CITIZENSHIP

Colorado  
STATE OF ~~UTAH~~  
County of ~~Denver~~ } ss

On the 25th day of JUNE, 1984, personally appeared before me, a notary public for the State of Utah, the above applicant who, on oath, declared that he is a citizen of the United States, or has declared his intention to become such a citizen.

My commission expires: My Commission Expires Feb. 17, 1986.  
1444 Wazee St., Suite 218  
Denver, Colorado 80202

(SEAL)

*Sarah-Lee Leonard*  
Notary Public

# FEES FOR APPLICATIONS TO APPROPRIATE WATER IN UTAH

Flow rate — c.f.s.	Cost	
0.0 to 0.1 .....	\$ 15.00	
over 0.1 to 0.5 .....	30.00	
over 0.5 to 1.0 .....	45.00	
over 1.0 to 15.0 .....	45.00	plus \$7.50 for each cfs above the first cubic
over 15.0 .....	150.00	foot per second.

Storage — acre-feet		
0 to 20 .....	22.50	
over 20 to 500 .....	45.00	
over 500 to 7500 .....	45.00	plus \$7.50 for each 500 a.f. above the first
over 7500 .....	150.00	500 acre feet.

(This section is not to be filled in by applicant)

## STATE ENGINEER'S ENDORSEMENTS

**TEMPORARY**

1. 6/20/84 Application received by mail in State Engineer's office by CL
2. Priority of Application brought down to, on account of .....
3. U-58-84 Application fee, \$15.00, received by J.H. Rec. No. 16002
4. Application microfilmed by ..... Roll No. ....
5. Indexed by ..... Platted by .....
6. Application examined by .....
7. Application returned, ..... or corrected by office .....
8. Corrected Application resubmitted by mail over counter to State Engineer's office.
9. Application approved for advertisement by .....
10. Notice to water users prepared by .....
11. Publication began; was completed ..... **RECEIVED**  
Notice published in ..... **AUG 8 1984**
12. Proof slips checked by .....
13. Application protested by ..... **DIVISION OF OIL**  
**GAS & MINING**
14. Publisher paid by M.E.V. No. ....
15. Hearing held by .....
16. Field examination by .....
17. 7/26/84 Application designated for approval SG  
8/3/84 rejection
18. 8/3/84 Application copied or photostated by SLM proofread by .....
19. 8/3/84 Application approved  
rejected
20. **Conditions:**

This Application is approved, subject to prior rights, as follows:

- a. Actual construction work shall be diligently prosecuted to completion.
- b. Proof of Appropriation shall be submitted to the State Engineer's office by NPR
- c. **TEMPORARY APPROVAL -- EXPIRES June 30, 1985.**

Dee C. Hansen  
Dee C. Hansen, P.E., State Engineer

21. Time for making Proof of Appropriation extended to .....
22. Proof of Appropriation submitted.
23. Certificate of Appropriation, No. ...., issued

**TEMPORARY**

Application No. 160065

## EXPLANATORY CONTINUED

## NOTICE TO APPLICANT

All waters in this state, whether above or under the ground, are the property of the public, subject to all existing rights to the use thereof. No appropriation of the unappropriated public water may be made and no rights to the use thereof shall be recognized except Application for such appropriation first be made to the State Engineer.

The approval of this Application is not a Certificate of Appropriation. It is merely your authority to begin construction work, which must be prosecuted diligently to completion. To secure a Certificate of Appropriation under this Application, Proof of Appropriation must be submitted within the time limit allowed by the State Engineer. The amount of water for which Certificate will be issued will depend upon the amount of water actually put to a beneficial use, not to exceed, however, the amount of water specified in this Application. Proof of Appropriation must be made in accordance with the requirements of the law. For further information write the State Engineer.

# JOHN P. LOCKRIDGE OPERATOR, INC.

RECEIVED

AUG 8 1984

DIVISION OF OIL  
GAS & MINING

August 7, 1984

Bureau of Land Management  
170 S. 500 E.  
Vernal, Utah 84078

Re: Application for Permit to Drill  
John P. Lockridge Operator, Inc.  
32-3 Horseshoe Bend  
SW NE Section 3-T7S-R22E  
Uintah County, Utah

Gentlemen:

Three copies of an Application for Permit to Drill the captioned well are enclosed. The application includes a Ten Point Drilling Program, Multipoint Surface and Operation Plan, and a Cultural Resources Survey Report.

An on-site inspection was conducted with your representative, Greg Darlington, on July 24, 1984. As discussed with Greg, the drilling rig we have decided to utilize requires a less extensive pad area than laid out by our surveyor. Consequently, data on cut, fill, and areal extent of the pad as portrayed should be considered as maximums. A sketch of our location plan for the smaller pad is taped to the surveyor's plat.

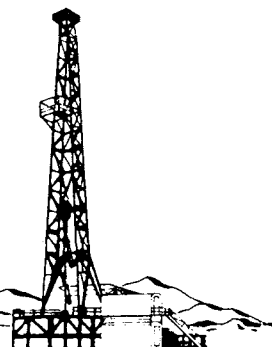
Your consideration of and response to this application will be appreciated. Please contact us by phone at 303+628-9371 if we need to provide additional information.

Yours truly,

  
John P. Lockridge

JPL/sl

cc: Norman Stout  
Utah Department of Natural Resources  
Prima Energy Corporation  
Calais Resources, Inc.  
William M. Berryman  
Fuel Exploration



OPERATOR

John P. Lockridge

DATE

8-9-84

WELL NAME

Horseshoe Field 32-3SEC SWNE 3

T

75

R

22E

COUNTY

MontalIrregular Section43-047-31535

API NUMBER

Field

TYPE OF LEASE

POSTING CHECK OFF:

☐

INDEX

☐

MAP

☐

HL

☐

NID

☐☐

PI

PROCESSING COMMENTS:

No other wells within <sup>1000'</sup> ~~4960'~~Water q - 49.1326 (T-60065)Exc. loc. (too close to quarter-quarter line)

CHIEF PETROLEUM ENGINEER REVIEW:

APPROVAL LETTER:

SPACING:

☐

A-3

UNIT

☐

c-3-a

CAUSE NO. &amp; DATE

☐

c-3-b

☒

c-3-c

SPECIAL LANGUAGE:

1- Exc. loc.

☒ RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.

☒ AUTHENTICATE LEASE AND OPERATOR INFORMATION

☒ VERIFY ADEQUATE AND PROPER BONDING

☒ AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

☐ APPLY SPACING CONSIDERATION

☐ ORDER \_\_\_\_\_

☐ UNIT \_\_\_\_\_

☐ c-3-b

☒ c-3-c

☒ CHECK DISTANCE TO NEAREST WELL.

☐ CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.

☒ IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

☐ IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.

☒ VERIFY LEGAL AND SUFFICIENT DRILLING WATER



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Dianne R. Nielson, Ph.D., Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

August 27, 1984

John P. Lockridge Operator, Inc.  
1444 Wazee Street, Suite 218  
Denver, Colorado 80202

Gentlemen:

RE: Well No. Horseshoe Bend Federal #32-3 - SWNE Sec. 3 (Irregular Section),  
T. 7S R. 22E - 2268' FNL, 1833' FEL - Uintah County, Utah

Approval to drill the above referenced oil well is hereby granted in accordance with Rule C-3(c), General Rules and Regulations and Rules of Practice and Procedure, subject to the following stipulations:

1. Submittal to the Division of information justifying the necessity for an exception location and verification of ownership within a radius of 600 feet of the proposed location.

In addition, the following actions are necessary to fully comply with this approval:

1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 533-5771, (Home) 298-7695 or R. J. Firth, Associate Director, (Home) 571-6068.
4. Compliance with the requirements and regulations of Rule C-27, Associated Gas Flaring, General Rules and Regulations, Oil and Gas Conservation.

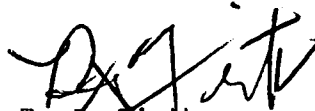
Page 2

John P. Lockridge Operator, Inc.  
Well No. Horseshoe Bend Federal #32-3  
August 27, 1984

5. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-047-31535.

Sincerely,

A handwritten signature in dark ink, appearing to read 'R. B. Firth', is written over a horizontal line.

R. B. Firth  
Associate Director, Oil & Gas

as  
Enclosures  
cc: Branch of Fluid Minerals

RECEIVED

JOHN P. LOCKRIDGE OPERATOR, INC.

SEP 6 1984

DIVISION OF OIL  
GAS & MINING

September 4, 1984

Mr. Ron Firth  
State of Utah Natural Resources  
4241 State Office Building  
Salt Lake City, Utah 84114

Re: Request for Exception Location  
John P. Lockridge Operator, Inc.  
Horseshoe Bend Federal #32-3  
SW NE Section 3-T7S-R22E  
Uintah County, Utah

Gentlemen:

We have proposed drilling the subject well in the SW NE of Section 3-T7S-R22E, an irregular section in which the "NE $\frac{1}{4}$ " is extended in a north/south direction. A plat of the section is enclosed.

The north/south dimension of the NE $\frac{1}{4}$  is approximately 3340 feet. We have superimposed a quarter/quarter line at approximately 1670 feet from the north line. The proposed location is 580 feet south of the superimposed quarter/quarter line and 513 feet west of the regular quarter/quarter line.

Ownership within a radius of 660 feet of the proposed location is common. All of Section 3-T7S-R22E is owned by the United States government and is part of Oil and Gas lease #U-47867. The original lessee is Howard Smotherman and the lease was subsequently assigned to Fuel Exploration, Inc. I am drilling the well under terms of a Farmout Agreement dated July 2, 1984. Please advise me of any specific documents you may need in addition to this statement of verification regarding ownership.

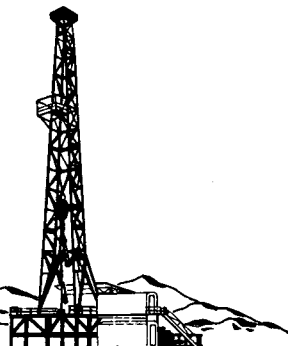
We hope the statements in this letter fulfill stipulation (1.) in your letter of August 27, 1984, and request your confirmation by phone or letter that we may proceed with drilling this well.

Respectfully submitted,

  
John P. Lockridge

JPL/s1

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING  
DATE: 9/7/84  
BY: John R. Dyer



DIVISION OF OIL, GAS AND MINING

SPODDING INFORMATION

API #43-047-31535

NAME OF COMPANY: JOHN P LOCKRIDGE

WELL NAME: Federal 32-3

SECTION SWNE 3 TOWNSHIP 7S RANGE 22E COUNTY Uintah

DRILLING CONTRACTOR \_\_\_\_\_

RIG # \_\_\_\_\_

SPODDED: DATE 10-8-84

TIME 8:45 AM

How Dry Hole Digger

DRILLING WILL COMMENCE \_\_\_\_\_

REPORTED BY Curlie Grimlie

TELEPHONE # \_\_\_\_\_

DATE 10-9-84 SIGNED RJF

JOHN P. LOCKRIDGE OPERATOR, INC.

RECEIVED  
RECEIVED  
OCT 12 1984  
OCT 0 1984  
DIVISION OF OIL  
GAS & MINING  
DIVISION OF OIL  
GAS & MINING

October 9, 1984

BLM  
170 S. 500 E.  
Vernal, Utah 94078

Re: Sundry Notice  
Notification of Spud Date  
#32-3 Horseshoe Bend Federal  
Uintah County, Utah

Gentlemen:

A sundry notice for the subject well is enclosed. Your prompt consideration and approval of this notice will be appreciated.

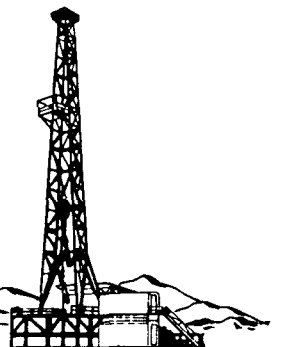
Yours truly,

*John P. Lockridge for*  
John P. Lockridge

JPL/sl

enclosure

cc: Norm Stout  
Utah Department of Natural Resources



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ well gas ☒ well other ☐
2. NAME OF OPERATOR  
John P. Lockridge Operator, Inc.
3. ADDRESS OF OPERATOR 80202  
1444 Wazee Street, Suite 218, Denver, Co.
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.) SW NE Section 3-T7S-R22E  
AT SURFACE:  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	<input type="checkbox"/>

(other) Notification of spud date

5. LEASE  
U-47867
6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
----
7. UNIT AGREEMENT NAME  
----
8. FARM OR LEASE NAME  
Horseshoe Bend Federal
9. WELL NO.  
32-3
10. FIELD OR WILDCAT NAME
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Section 3-T7S-R22E
12. COUNTY OR PARISH Uintah 13. STATE Utah
14. API NO.  
43-047-31535
15. ELEVATIONS (SHOW DF, KDB, AND WD)  
5092' Gr.

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Drilling of the subject well was commenced at 8:46 AM, 10/8/84. Drilled a 12 $\frac{1}{4}$ " hole with air to 260'. Ran 6 joints, 8 5/8" new casing and set at 242'. Cemented with 125 sacks. Good returns. Plug down at 4:00 PM, 10/8/84.  
WORT

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED John P. Lockridge TITLE President, John P. Lockridge Operator, Inc. DATE 10/9/84

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

TITLE \_\_\_\_\_ DATE \_\_\_\_\_

JOHN P. LOCKRIDGE OPERATOR, INC.

RECEIVED  
DEC 07 1984

DIVISION OF  
OIL, GAS & MINING

December 6, 1984

Bureau of Land Management  
170 S. 500 E.  
Vernal, Utah 84078

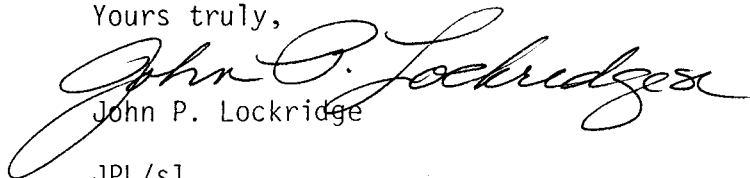
Re: Sundry Notice  
John P. Lockridge Operator, Inc.  
#32-3 Horseshoe Bend Federal  
SW NE Section 3-T7S-R22E  
Uintah County, Utah  
Change of Rig

Gentlemen:

A Sundry Notice for the captioned well is enclosed, reporting our intent to use a larger rig than originally planned.

Your prompt consideration of and approval of this Sundry Notice will be appreciated.

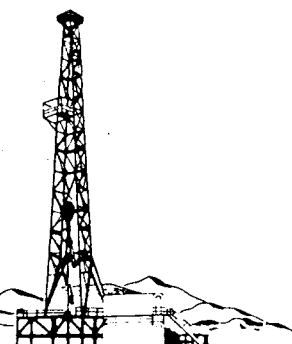
Yours truly,

  
John P. Lockridge

JPL/sl

Enclosures

cc: Utah Dept. of Natural Resources  
Division of Oil Gas and Mining



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE  
(Other instructions  
verse side)

Budget Bureau No. 1004-0135  
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. U-47867
2. NAME OF OPERATOR John P. Lockridge Operator, Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 1444 Wazee Street, Suite 218, Denver, Colorado 80202		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface SW NE Section 3-T7S-R22E		8. FARM OR LEASE NAME Federal
14. PERMIT NO. 43-047-31535		9. WELL NO. 32-3
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5092' Gr.		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA 3-T7S-R22E, SLM
		12. COUNTY OR PARISH Uintah
		13. STATE Utah

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐  
☐  
☐  
☐  
☐

PULL OR ALTER CASING

☐  
☐  
☐  
☐  
☒

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON\*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐  
☐  
☐  
☐  
☐

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

☐  
☐  
☐  
☐  
☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

This Sundry Notice results from our using a larger rig than planned. Contractor will be Olsen Drilling Company, Rig #5.

Hole size will be 7 7/8" instead of 6 3/4".  
Blow out preventers will be 8' rather than 7 1/6".  
There will be an upper and lower kelley cock.

Other items on APD, Ten Point Program and Thirteen Point Program are correct as submitted and approved.

RECEIVED  
DEC 07 1984

DIVISION OF  
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

John P. Lockridge

TITLE

President

DATE

12/3/84

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

Federal approval of this action  
is required before commencing  
operations.

TITLE

ACCEPTED

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DATE

\*See Instructions on Reverse Side

BY:

12/13/84  
John R. Baye

# JOHN P. LOCKRIDGE OPERATOR, INC.

RECEIVED  
DEC 24 1984  
DIVISION OF  
OIL, GAS & MINING

December 21, 1984

BLM  
170 S. 500 E.  
Vernal, Utah 84078

Re: John P. Lockridge Operator, Inc.  
#32-3 Horseshoe Bend Federal  
SW NE Section 3-T7S-R22E  
Uintah County, Utah  
Sundry Notice

Gentlemen:

Enclosed is a Sundry Notice for the captioned well notifying you of the plugging and abandonment of this well.

Your consideration and approval of this Sundry Notice will be appreciated.

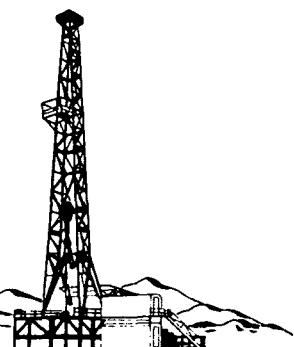
Yours truly,

  
John P. Lockridge

JPL/sl

Enclosures

cc: State of Utah  
Division of Oil Gas and Mining



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE  
(Other instructions  
verse side)

Budget Bureau No. 1004-0135  
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Dry Hole		5. LEASE DESIGNATION AND SERIAL NO. U-47867
2. NAME OF OPERATOR John P. Lockridge Operator, Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 1444 Wazee Street, Suite 218, Denver, Colorado 80202		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface SW NE Section 3-T7S-R22E		8. FARM OR LEASE NAME Federal
14. PERMIT NO. 43-047-31535		9. WELL NO. 32-3
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5092' Gr.		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 3-T7S-R22E, SLM
		12. COUNTY OR PARISH Uintah
		13. STATE Utah

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETION

SHOOT OR ACIDIZE

ABANDON\*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT\*

(Other)

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Work done on 12/21/84 as follows:

Plug from 3479' - 3279' with 60 sacks regular cement with 2% CaCl

Plug from 354' - 154' with 60 sacks regular cement with 2% CaCl

Plug top of surface pipe with 25 sacks regular cement with 2% CaCl

Will cut of 3' below surface and set regulation dry hole marker.

Plugging orders received from R. Allen McKee, USGS, via phone at 6:15 AM, 12/21/84

RECEIVED  
DEC 24 1984

DIVISION OF  
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

*John P. Lockridge*  
John P. Lockridge  
(This space for Federal or State office use)

TITLE President

DATE 12/21/84

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

ACCEPTED  
APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

\*See Instructions on Reverse Side

BY:

*John R. Baya*  
12/21/85

# ORAL APPROVAL TO PLUG AND ABANDON WELL

Operator John P. Lockridge Representative Curly Grimley

Well No. 32-3 Location 1/4 1/4 Section 3 Township 75 Range 22E

County Uintah Field \_\_\_\_\_ State \_\_\_\_\_

Unit Name and Required Depth \_\_\_\_\_ Base of fresh water sands \_\_\_\_\_

T.D. 3489 Size hole and Fill per sack \_\_\_\_\_ Mud Weight and Top \_\_\_\_\_ #/gal. \_\_\_\_\_

Casing Size	Set At	Top of Cement	To Be Pulled	Plugging Requirements		
				From	To	Sacks Cement
<u>8 5/8</u>	<u>254</u>	<u>surf.</u>		① <u>3489</u>	<u>3289</u>	<u>60 SX</u>
				② <u>354</u>	<u>154</u>	<u>60 SX</u>
Formation	Top	Base	Shows	③ <u>25</u> SX	<u>surf.</u>	

## REMARKS

DST's, lost circulation zones, water zones, etc., \_\_\_\_\_

Approved by IRB Date 12/21/84 Time 1025 hrs. a.m. p.m.

- Will plug this morning.

# DAILY REPORT

Lockridge et al #32-3 Horseshoe Bend Federal

Location: SW NE Section 3-T7S-R22E

Uintah County, Utah

Elevation: 5092' Gr.

Contractor: Western Well Drilling Rig #D3

Report Date	Activity
10/9/84	Move in, rig up Leon Ross Drilling Rig #3. Spud at 8:46 AM, 10/8/84. Drill 12 1/4" hole with air to 260'. Run 6 joints, 8 5/8", 24# new casing (247.22') Set at 242' Gr. Cemented with 125 sacks. Good returns. Plug down at 4:00 PM, 10/8/84. Waiting on rotary tools.
11/29/84	Moved in Leon Ross Drilling Rig and drilled mouse hole and rat hole.
12/7/84	Moving in and rigging up Olsen Drilling Co. Rig #5.
12/8/84	Rig up Olsen Drilling Rig #5. Tested all BOP equipment to 1500#. Drilled out of cement at 6:30PM and drilled 7 7/8" hole to 1030'.
12/9/84	Drilling at 2623'. Mud log shows as follows: <div> <div>#1</div> <div>2344' - 2351' = 7'</div> <div>Drilling rate 3/4 1/3 3/4</div> <div>Gas units 2 4 2</div> </div> <div> <div>#2</div> <div>2360' - 2370' = 10'</div> <div>Drilling rate 3/4 1/2 3/4</div> <div>Gas units 2 10 6</div> </div> <div> <div>#3</div> <div>2404' - 2428' = 24'</div> <div>Drilling rate 3/4 1/3 3/4</div> <div>Gas units 7 18 11</div> </div> <div> <div>#4</div> <div>2506' - 2520' = 14'</div> <div>Drilling rate 1 1/2 1</div> <div>Gas units 5 10 7</div> </div> <div> <div>#5</div> <div>2560' - 2591' = 31'</div> <div>Drilling rate 3/4 1/3 1</div> <div>Gas units 3 9 3</div> </div>
12/10/84	Drilled to 3141'. Attempted to run DST #1, found 35' of fill in hole. Washed and reamed from 120' to bottom, bridges and fill. Circulate and condition hole and mud for DST. Mud log shows as follows: <div> <div>#6</div> <div>2757' - 2771' = 14'</div> <div>Drilling rate 1 1/2 1</div> <div>Gas units 15 25 15</div> </div> <div> <div>#7</div> <div>2933' - 2336' = 3'</div> <div>Drilling rate 1 1/4 1</div> <div>Gas units 15 30 15</div> </div> <div> <div>#8</div> <div>3116' - 3123' = 7'</div> <div>Drilling rate 1 1/4 1</div> <div>Gas units 25 170 30</div> </div>
12/11/84	Drilling at 3410'. DST #2 3117 - 3144. Open well with good blow, bottom of bucket immediately measured 7 1/4# on bubble hose at end of 30 min. flow. SI - 30 min. Open for 60 min, gas to surface in 5 min, blow decreased slowly after 15 min. to dead at 60'. Shut in for 120'. Recovered 150' of mud, 583' heavily gas cut water, top and middle with nitrates, bottom and sampler had no nitrates. Resistivities at 680. pit .34, top .66, middle .79, bottom .72 chamber .83. Pressures: HP 1429, 1st FP 84-251, 1st SIP 1125, 2nd FP 265-377, 2nd SIP 1208, HP 1429. Sample chamber: Pressure 350 psi, Recovery .53 cu. ft gas and 1500 cc water. Background gas 65, Connection gas 145, Trip gas 353. <div> <div>#9</div> <div>3171' - 3175' = 4'</div> <div>Drilling rate 1 1/4 .6 1</div> <div>Gas units 36 43 34</div> </div> <div> <div>#10</div> <div>3260' - 3262' = 2'</div> <div>Drilling rate 1 1/4 3/4 1 1/4</div> <div>Gas units 18 26 20</div> </div> <div> <div>#11</div> <div>3275' - 3280' = 5'</div> <div>Drilling rate 1 1/4 1/2 1</div> <div>Gas units 25 35 25</div> </div>

RECEIVED  
JAN 09 1985  
DIVISION OF  
GAS & MINING

Report Date	Activity
12/11/84 cont.	<p>#12 3296' - 3298' = 2'</p> <p>Drilling rate 1 1/4 3/4 1 1/4</p> <p>Gas units 26 54 28</p> <p>#13 3304' - 3309' = 5'</p> <p>Drilling rate 1 1/4 .3 1</p> <p>Gas units 28 113 30</p> <p>#14 3342' - 3352' = 10'</p> <p>Drilling rate 1 1/4 .3 1 1/4</p> <p>Gas units 40 79 46</p> <p>#15 3356' - 3359' = 3'</p> <p>Drilling rate 1 1/4 3/4 1 1/4</p> <p>Gas units 40 60 52</p> <p>#16 3362' - 3364' = 2'</p> <p>Drilling rate 1 1/4 1/2 1 1/4</p> <p>Gas units 52 70 44</p>
12/12/84	<p>Drilling to 3490'. Pipe stuck 30' off bottom. Pick up bumper jars, work stuck pipe. No jarring action. Backed off 1 joint above drill collars.</p> <p>#17 3416' - 3431' = 15'</p> <p>Drilling rate 2 1/2 1 3/4</p> <p>Gas units 70 108 75</p> <p>#18 3442' - 3462' = 22'</p> <p>Drilling rate 1 1/2 1/2 2 1/2</p> <p>Gas units 70 90 60</p> <p>#19 3475' - 3478' = 3'</p> <p>Drilling rate 3 1/2 3</p> <p>Gas units 50 85 50</p>
12/13/84	<p>Washing and reaming to top of fish. Ran Dialog, stuck at top of collars at 2863. Washed and reamed hole. Hole conditions getting worse. Converted to gel-water mud system. Reamed and washed to 2292', hole conditions improved.</p>
12/14/84	<p>Washing over fish at 2833'.</p>
12/15/85	<p>Washing over fish at 2833'. (see attached field notes)</p>
12/16/84	<p>Washing over top of fish at 2833'. (see attached field notes)</p>
12/17/84	<p>Fishing (see attached field notes)</p>
12/18/84	<p>Fishing. Go in hole with new bit, 4 63/4" collars and 7 3/4" string reamer. Worked tight spots, got to top of fish at 2833 and circulated and conditioned mud. Trip out of hole. Pick up washover shoe, 3 joints washover pipe &amp; 3 jars. Go in hole to top of fish at 2833. Preparing to washover fish.</p>
12/19/84	<p>Washover fish from 2833-2928'. Follow to bottom. Washed out 10' hard fill at top of drill collars at 2964'. Pull out of hole with wash pipe. Trip in hole with screw in subs, 6 drill collars, jars and bumper sub. Circulate on top of fish, screw in to fish, work fish loose, pull out of hole with fish recovered 1 joint drill pipe, 12 drill collars, jars, bumper sub, accelerator and screw in sub. Fish remaining in hole: 6 drill collars and bit. Trip in hole with bit, 12 drill collars and drill pipe. Wash and ream from 3157' to 3282'. Top of fish at 3282'. Circulate and condition, hole and mud. Trip out of hole. Preparing to washover fish at 3282'.</p>
12/20/84	<p>Finish trip out of hole. Pick up 6 joints of wash pipe and jars. Wash over fish, fell down hole 20'. Circulate and condition hole and mud. Trip out of hole with wash pipe. Pick up screw in sub, jars, bumper sub and accelerator. Trip in hole, tag fish at 3297'. Circulate and condition mud at top of fish. Trip out of hole with fish.</p>
12/21/84	<p>Pull out of hole with fish. Wash and ream from 3435' to 3490'. Circulate and condition hole and mud for logs. Ran Wellex DIP/GR and FDC/CNL/GR. Loggers T.D. 3485'. Preparing to plug and abandon. Received verbal plugging orders from R. Allen McKee, USGS, at 6:30 am, 12/21/84.</p>
12/22/84	<p>Set bottom plug at 3479-3279 with 60 sacks Type A with 2% KCL</p> <p>Set 2nd plug from 354-154 with 60 sacks type A with 2% KCL</p> <p>Set surface plug from 80 - 0' with 25 sacks Type A with 2% KCL</p> <p>Plugging by Halliburton. All plugs witnessed by Paul Linvorratre, BLM</p> <p>Rig down rotary tools. Rig released at 9:00 pm, 12/21/84.</p> <p><u>FINAL REPORT</u></p>

HORSESHOE BEND FEDERAL 32-3 1 WELL NO. TEST NO. 1 TESTED INTERVAL JOHN P. LOCKRIDGE OPERATOR INCORPORATED LEASE OWNER/COMPANY NAME

LEGAL LOCATION SEC. 3-TWP 75-RNG 22E FIELD AREA HORSESHOE BEND COUNTY UTAH STATE UTAH



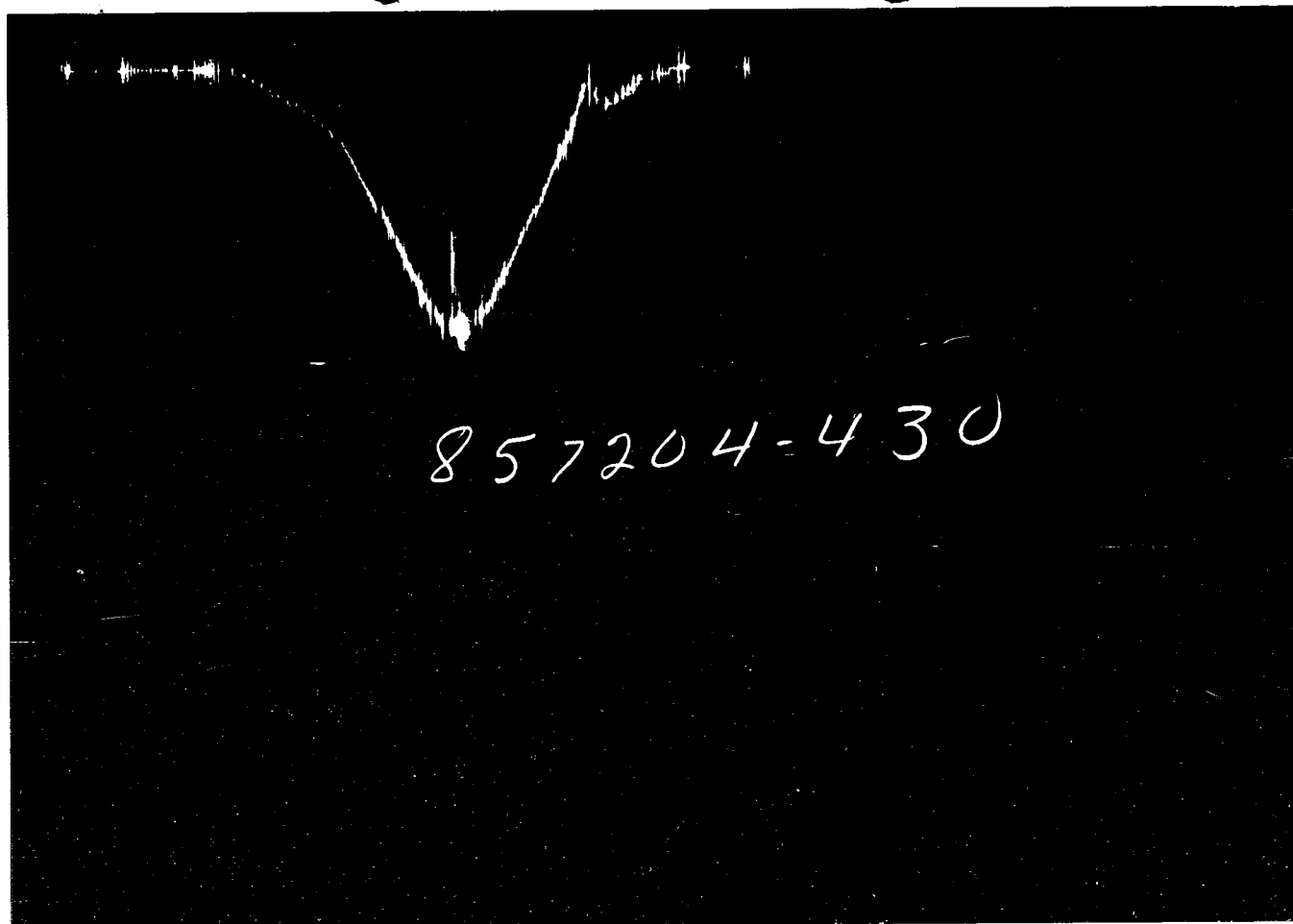
TICKET NO. 85720400  
17-DEC-84  
VERNAL

RECEIVED

JAN 09 1985

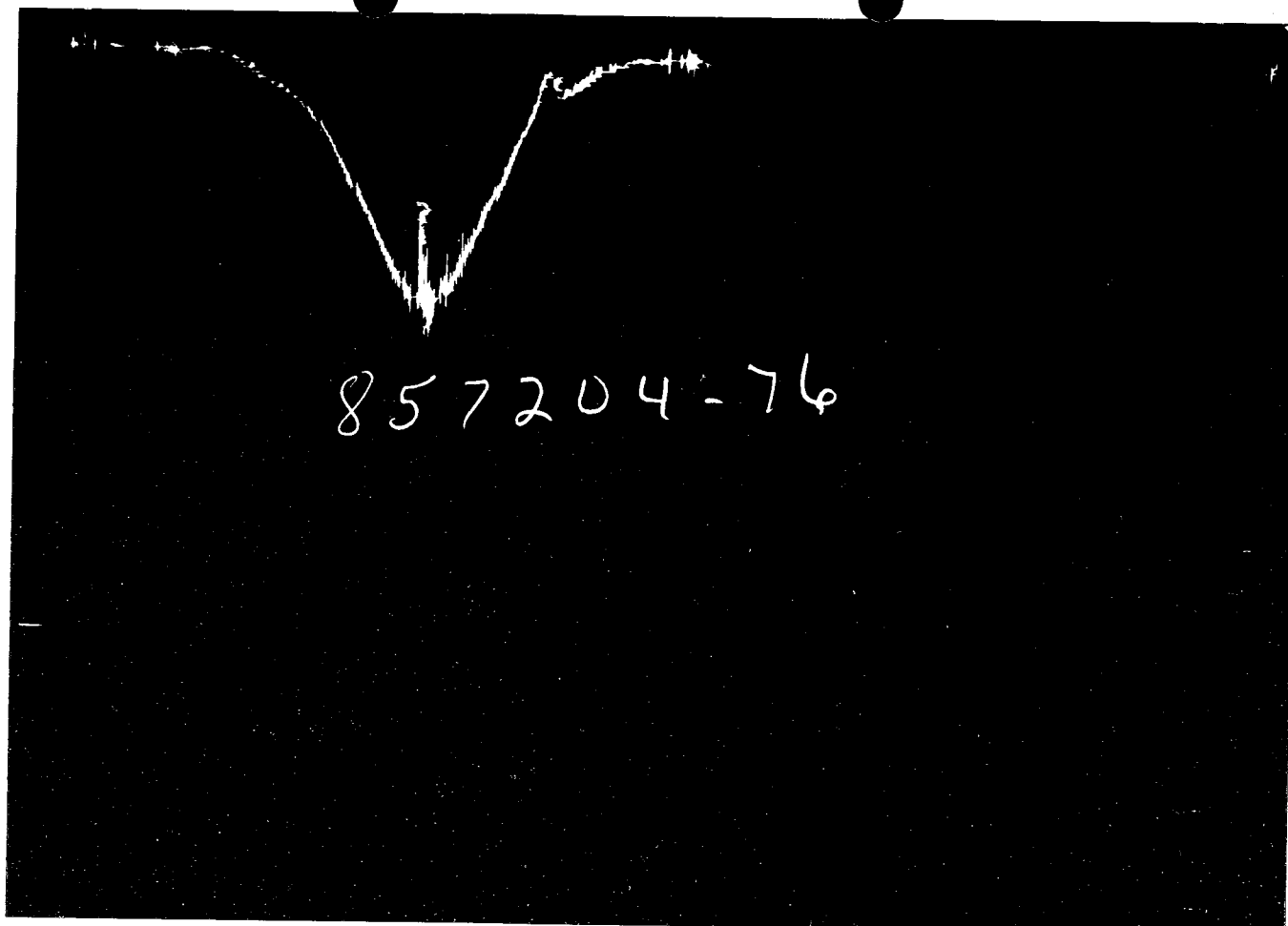
DIVISION OF  
OIL, GAS & MINING

FORMATION TESTING SERVICE REPORT



GAUGE NO: 430 DEPTH: \_\_\_\_\_ BLANKED OFF: NO HOUR OF CLOCK: 12

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	FAILED TO REACH BOTTOM					



GAUGE NO: 76 DEPTH:            BLANKED OFF: YES HOUR OF CLOCK: 12

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	FAILED TO REACH BOTTOM					

## EQUIPMENT &amp; HOLE DATA

FORMATION TESTED: \_\_\_\_\_  
 NET PAY (ft): \_\_\_\_\_  
 GROSS TESTED FOOTAGE: \_\_\_\_\_  
 ALL DEPTHS MEASURED FROM: KELLY BUSHING  
 CASING PERFS. (ft): \_\_\_\_\_  
 HOLE OR CASING SIZE (in): 7.875  
 ELEVATION (ft): 5104  
 TOTAL DEPTH (ft): 3141.0  
 PACKER DEPTH(S) (ft): \_\_\_\_\_  
 FINAL SURFACE CHOKE (in): \_\_\_\_\_  
 BOTTOM HOLE CHOKE (in): \_\_\_\_\_  
 MUD WEIGHT (lb/gal): 8.60  
 MUD VISCOSITY (sec): 35  
 ESTIMATED HOLE TEMP. (°F): \_\_\_\_\_  
 ACTUAL HOLE TEMP. (°F): 0 \_\_\_\_\_ ft

TICKET NUMBER: 85720400DATE: 12-9-84 TEST NO: 1TYPE DST: OPEN HOLEHALLIBURTON CAMP:  
VERNALTESTER: R. RIPPLE  
P. MC MILLAN

WITNESS: \_\_\_\_\_

DRILLING CONTRACTOR:  
OLSEN #5FLUID PROPERTIES FOR  
RECOVERED MUD & WATER

SOURCE	RESISTIVITY	CHLORIDES
_____	_____ @ _____ °F	_____ ppm
_____	_____ @ _____ °F	_____ ppm
_____	_____ @ _____ °F	_____ ppm
_____	_____ @ _____ °F	_____ ppm
_____	_____ @ _____ °F	_____ ppm
_____	_____ @ _____ °F	_____ ppm

## SAMPLER DATA

Pstg AT SURFACE: \_\_\_\_\_  
 cu.ft. OF GAS: \_\_\_\_\_  
 cc OF OIL: \_\_\_\_\_  
 cc OF WATER: \_\_\_\_\_  
 cc OF MUD: \_\_\_\_\_  
 TOTAL LIQUID cc: \_\_\_\_\_

## HYDROCARBON PROPERTIES

OIL GRAVITY (°API): \_\_\_\_\_ @ \_\_\_\_\_ °F  
 GAS/OIL RATIO (cu.ft. per bbl): \_\_\_\_\_  
 GAS GRAVITY: \_\_\_\_\_

## CUSHION DATA

TYPE	AMOUNT	WEIGHT
_____	_____	_____
_____	_____	_____

RECOVERED:

MEASURED FROM  
TESTER VALVE

## REMARKS:
















MISRUN

HIT FILL AT 2300', 55' OFF BOTTOM. WORKED PIPE TO 45' OFF BOTTOM-UNABLE  
 TO GET TO BOTTOM, ONLY REACHED 2315', THEN STARTED OUT OF HOLE.

ATTEMPTED TO TEST FROM 3117'-3141'



TICKET NO. 85720400

		O.D.	I.D.	LENGTH	DEPTH
1		DRILL PIPE.....	4.000	3.340	
3		DRILL COLLARS.....	6.250	2.250	511.9
50		IMPACT REVERSING SUB.....	6.000	3.000	1.0
3		DRILL COLLARS.....	6.250	2.250	59.8
5		CROSSOVER.....	5.500	2.625	0.8
13		DUAL CIP SAMPLER.....	5.000	0.750	6.8
60		HYDROSPRING TESTER.....	5.000	0.750	5.0
80		AP RUNNING CASE.....	5.000	2.250	4.1
15		JAR.....	5.000	1.750	5.0
16		VR SAFETY JOINT.....	5.000	1.000	2.8
70		OPEN HOLE PACKER.....	6.750	1.530	5.8
18		DISTRIBUTOR VALVE.....	5.000	1.680	2.2
70		OPEN HOLE PACKER.....	6.750	1.530	5.8
20		FLUSH JOINT ANCHOR.....	5.000	2.250	18.0
81		BLANKED-OFF RUNNING CASE.....	5.000		4.1

TOTAL DEPTH

3141.0

EQUIPMENT DATA

# JOHN P. LOCKRIDGE OPERATOR, INC.

January 3, 1985

BLM  
170 South 500 East  
Vernal, Utah 84078

Re: John P. Lockridge Operator, Inc.  
#32-3 Horseshoe Bend Federal  
SWNE Section 3-T7S-R22E  
Uintah County, Utah  
Well Completion Report

RECEIVED  
JAN 09 1985

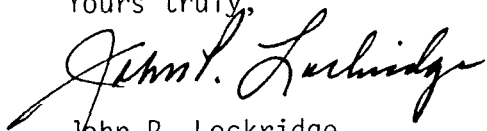
DIVISION OF  
OIL, GAS & MINING

Gentlemen:

Enclosed is a Well Completion Report for the captioned dry hole, along with pertinent well data.

Relatively heavy snow cover is present at the location at this time. Surface conditions will be monitored and we will proceed with rehabilitation in the spring of 1985 as conditions permit.

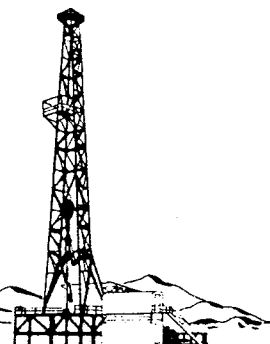
- Yours truly,

  
John P. Lockridge

lv

Enclosure

cc: State of Utah  
Division of Oil, Gas and Mining



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R355.5.

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL:		OIL WELL <input type="checkbox"/>	GAS WELL <input type="checkbox"/>	DRT <input checked="" type="checkbox"/> Other _____	5. LEASE DESIGNATION AND SERIAL NO. U-47867		
b. TYPE OF COMPLETION:		NEW WELL <input type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. RESVR. <input type="checkbox"/> Other _____	
2. NAME OF OPERATOR John P. Lockridge Operator, Inc.					6. IF INDIAN, ALLOTTEE OR TRIBE NAME -----		
3. ADDRESS OF OPERATOR 1444 Wazee, Suite 218, Denver, CO 80202					7. UNIT AGREEMENT NAME -----		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface SW NE Section 3-T7S-R22E At top prod. interval reported below At total depth					8. FARM OR LEASE NAME Horseshoe Bend Federal		
14. PERMIT NO. 43-047-31535					9. WELL NO. 32-3		
DATE ISSUED 9-5-84					10. FIELD AND POOL, OR WILDCAT Wildcat Undesignated		
15. DATE SPUDDED 10-8-84					11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Section 3-T7S-R22E		
16. DATE T.D. REACHED 12-11-84					12. COUNTY OR PARISH Utah		
17. DATE COMPL. (Ready to prod.) 12-21-84 (P&A)					13. STATE Utah		
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5092' Gr					19. ELEV. CASINGHEAD -----		
20. TOTAL DEPTH, MD & TVD 3490'		21. PLUG, BACK T.D., MD & TVD -----		22. IF MULTIPLE COMPL., HOW MANY? -----		23. INTERVALS DRILLED BY ROTARY TOOLS A11	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)* -----					25. WAS DIRECTIONAL SURVEY MADE NO		
26. TYPE ELECTRIC AND OTHER LOGS RUN Welex DIL w/GR and FDC/CNL w/GR					27. WAS WELL CORED NO		
28. CASING RECORD (Report all strings set in well)							
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD		AMOUNT PULLED	
8 5/8"	24	242' Gr	12 1/4"	125 sacks - good returns			
29. LINER RECORD							
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	30. TUBING RECORD		
					SIZE	DEPTH SET (MD)	
					PACKER SET (MD)		
31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
				DEPTH INTERVAL (MD)			
				AMOUNT AND KIND OF MATERIAL USED			
33.* PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)			WELL STATUS (Producing or shut-in) P & A		
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL--BBL.	GAS--MCF.	WATER--BBL.	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL--BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)						TEST WITNESSED BY	
35. LIST OF ATTACHMENTS Well record, DST charts, mud log and Welex logs							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED <i>John P. Lockridge</i>		TITLE President			DATE 12/31/84		

\*(See Instructions and Spaces for Additional Data on Reverse Side)

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29: "Sacks Cement":** Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

## 37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

DESCRIPTION, CONTENTS, ETC.

FORMATION		TOP	BOTTOM	GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Uinta	3117	3144	DST #1 Failed. Could not reach bottom.	Uinta	Surface	
Uinta	3117	3144	DST #2 Open well with good blow, bottom of bucket immediately measured 7 1/2# on bubble hose at end of 30 min. flow. SI-30 min. Open for 60 min, gas to surface in 5 min, blow decreased slowly after 15 min. to dead at 60". Shut in for 120". Recovered 150' of mud, 583' heavily gas cut water, top and middle with nitrates, bottom and sampler had no nitrates. Resistivities at 680. pit .34, top .66, middle .79, bottom .72, chamber .83. Pressures: HP 1429, 1st FP 84-251, 1st SIP 1125, 2nd FP 265, 377, 2nd SIP 1208, HP 1429. Sample chamber: Pressure 350 PSI, Recovery .53 cu. ft. gas and 1500 cc water.	Uinta "B" Marker	2838	

# JOHN P. LOCKRIDGE OPERATOR, INC.

January 17, 1985

Bureau of Land Management  
170 S. 500 E.  
Vernal, Utah 84078

Re: John P. Lockridge Operator, Inc.  
#14-27 Horseshoe Bend Federal  
SW SW Section 27-T6S-R22E  
Uintah County, Utah  
Sundry Notice

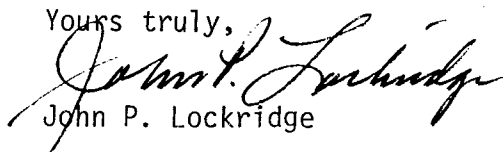
RECEIVED  
JAN 21 1985  
DIVISION OF  
OIL, GAS & MINING

Gentlemen:

Enclosed is a Sundry Notice for the captioned well reporting the rehabilitation of the location.

- Your consideration and approval of this Sundry Notice will be appreciated.

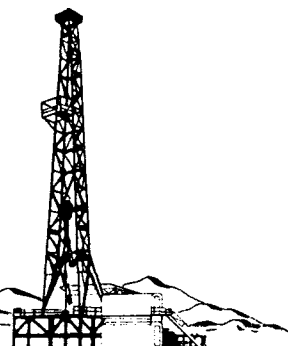
Yours truly,

  
John P. Lockridge

JPL/sl

Enclosure

cc: State of Utah  
Division of Oil Gas and Mining



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE  
(Other instructions on re-  
verse side)

Budget Bureau No. 1004-0135  
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Dry Hole		5. LEASE DESIGNATION AND SERIAL NO. U-47867	
2. NAME OF OPERATOR John P. Lockridge Operator, Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR 1444 Wazee Street, Suite 218, Denver, Colorado 80202		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface  SW NE Section 3-T7S-R22E		8. FARM OR LEASE NAME Federal	
14. PERMIT NO. 43-047-31535		9. WELL NO. 32-3	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5092' Gr.		10. FIELD AND POOL, OR WILDCAT Wildcat	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 3-T7S-R22E, SLM	
		12. COUNTY OR PARISH Uintah	13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

PULL OR ALTER CASING

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON\*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

REPAIRING WELL

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT\*

(Other) Location Rehabilitation

X

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Dry Hole marker constructed

Location Rehabilitated, including spreading top soil.

Snow conditions preclude rehabilitation of road. Work to be done in Spring, 1985.

Seeding will be done in Spring, 1985

RECEIVED  
JAN 21 1985

DIVISION OF  
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

John P. Lockridge

TITLE President

DATE 1/17/85

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side